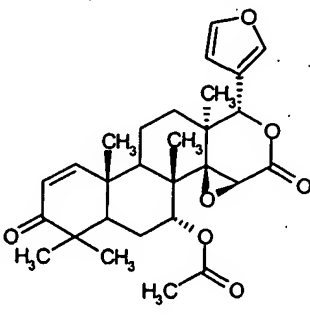
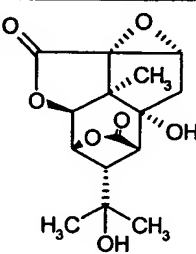
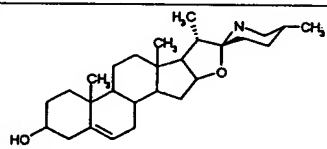
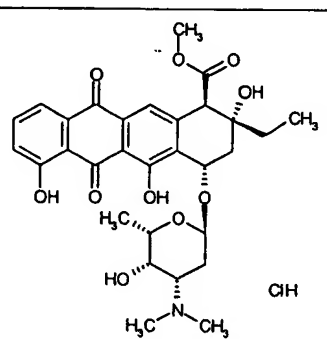
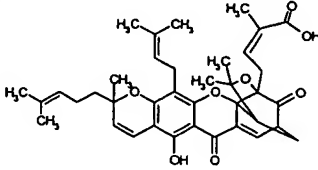
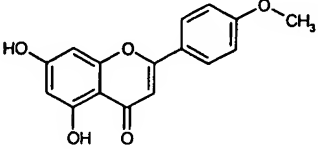
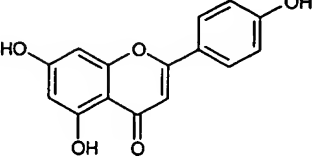
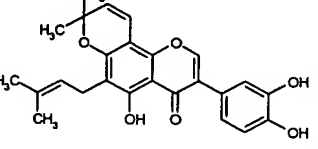
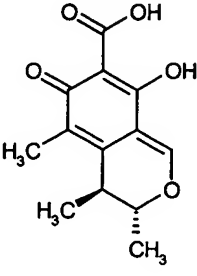
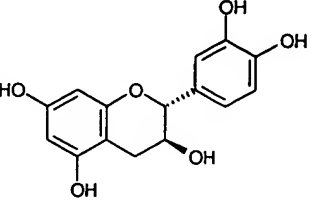
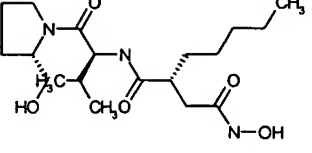
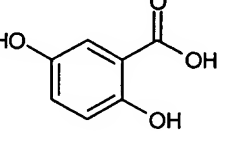


Name	Formula	M.W.	Structure
GEDUNIN Therap cat: antifeedant	C ₂₈ H ₃₄ O ₇	482.579	
PICROTIN Therap cat: GABA-A receptor antagonist	C ₁₅ H ₁₈ O ₇	310.3065	
SOLASODINE Therap cat: antineoplastic, antiinflammatory	C ₂₇ H ₄₃ NO ₂	413.6493	
AKLAVIN HYDROCHLORIDE Therap cat: antibiotic of the e-isorhodomycin group J Antibiotics 30:88(1977)	C ₃₀ H ₃₆ ClNO ₁₀	606.0751	

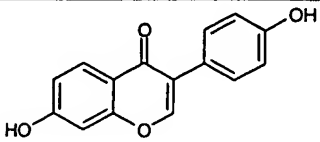
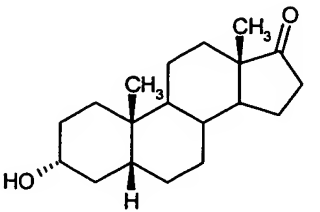
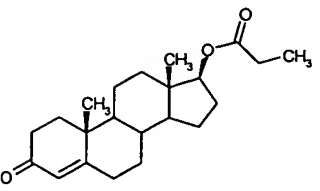
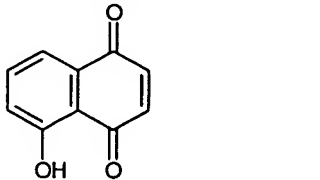
StavrovskayaSupplemental Table 1

<p>GAMBOGIC ACID Therap cat: antibacterial, inhibitd HeLa cell growth in vitro</p>	<p>C38H44O8</p>	<p>628.7696</p>	
<p>ACACETIN Therap cat: antiinflammatory, capillary protectant, spasmolitic</p>	<p>C16H12O5</p>	<p>284.271</p>	
<p>APIGENIN Therap cat: TPA and protein kinase C inhibitor Biochem Biophys Res Comm 212: 767 (1997)</p>	<p>C15H10O5</p>	<p>270.244</p>	
<p>POMIFERIN Therap cat: antioxidant</p>	<p>C25H24O6</p>	<p>420.4664</p>	

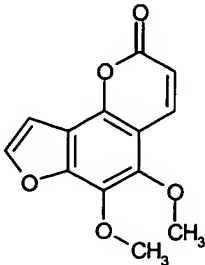
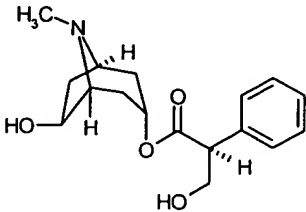
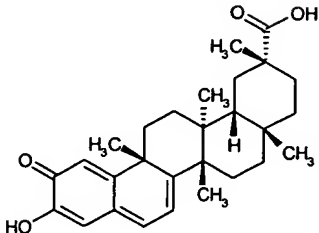
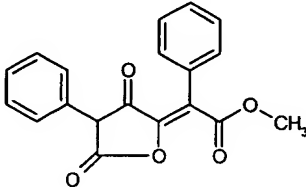
StavrovskayaSupplemental Table 1

<p>CITRININ Therap cat: Antibiotic from <i>Penicillium citrinum</i>, Mehta, Whalley, J Am Chem Soc 1963:3777 tetratogen, cytotoxic</p>	<p>C13H14O5</p>	<p>250.2535</p>	
<p>CIANIDANOL Therap cat: hepatic protectant</p>	<p>C15H14O6</p>	<p>290.2752</p>	
<p>ACTINONIN Therap cat: antibiotic, inhibits aminopeptidase M</p>	<p>C19H35N3O5</p>	<p>385.5079</p>	
<p>GENTISIC ACID Therap cat: analgesic, antiinflammatory</p>	<p>C7H6O4</p>	<p>154.1235</p>	

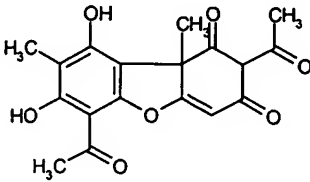
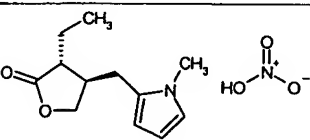
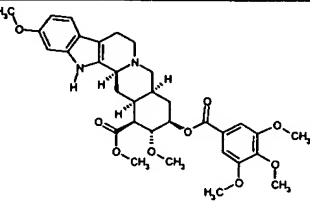
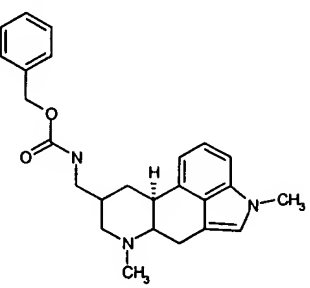
StavrovskayaSupplemental Table 1

<p>DAIDZEIN Therap cat: weak estrogen, calmodulin antagonist</p>	C15H10O4	254.2446	
<p>ETIOCHOLANOLONE Therap cat: androgen</p>	C19H30O2	290.4498	
<p>TESTOSTERONE PROPIONATE Therap cat: androgen, antineoplastic</p>	C22H32O3	344.4985	
<p>JUGLONE Therap cat: antineoplastic, antifungal</p>	C10H6O3	174.1575	

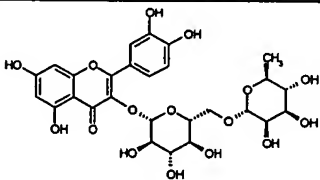
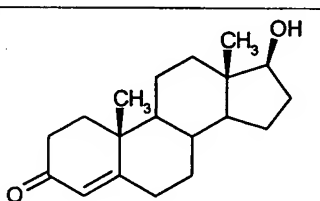
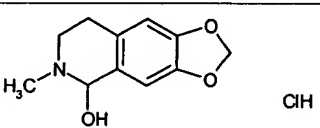
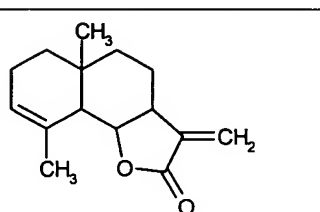
StavrovskayaSupplemental Table 1

<p>PIMPINELLIN Therap cat: GABA receptor antagonist</p>	<p>C13H10O5</p>	<p>246.2217</p>	
<p>ANISODAMINE Therap cat: anticholinergic, antispasmodic</p>	<p>C17H23NO4</p>	<p>305.3772</p>	
<p>CELASTROL Therap cat: antineoplastic, antiinflammatory</p>	<p>C28H36O4</p>	<p>436.5967</p>	
<p>VULPINIC ACID Therap cat: antibacterial, plant growth inhibitor</p>	<p>C19H14O5</p>	<p>322.3204</p>	

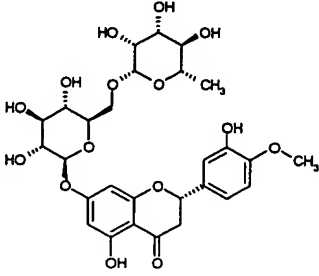
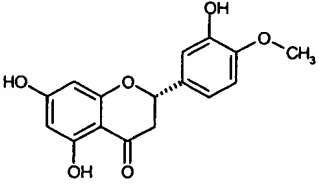
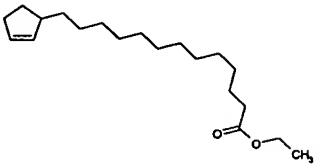
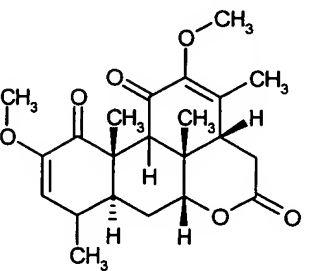
StavrovskayaSupplemental Table 1

<p>USNIC ACID Therap cat: antibacterial, antineoplastic J Chem Soc, 1953, 603; Antibiotics I (Verlag), 1967, p 611</p>	<p>C₁₈H₁₆O₇</p>	<p>344.324</p>	
<p>ISOPILOCARPINE NITRATE</p>	<p>C₁₂H₁₈N₂O₅</p>	<p>270.2877</p>	
<p>ISORESERPINE Therap cat: antihypertensive</p>	<p>C₃₃H₄₀N₂O₉</p>	<p>608.6948</p>	
<p>METERGOLINE Therap cat: analgesic, antipyretic</p>	<p>C₂₅H₂₉N₃O₂</p>	<p>403.5288</p>	

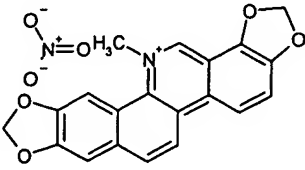
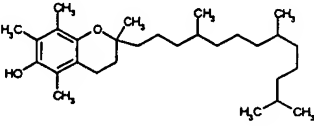
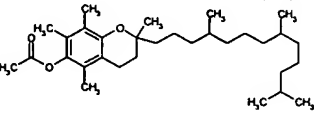
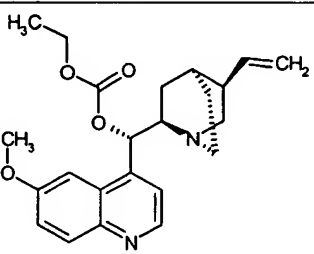
StavrovskayaSupplemental Table 1

<p>RUTOSIDE Therap cat: vascular protectant</p>	<p>C27H30O16</p>	<p>610.5306</p>	
<p>TESTOSTERONE Therap cat: androgen, antineoplastic</p>	<p>C19H28O2</p>	<p>288.4338</p>	
<p>HYDRASTININE HYDROCHLORIDE Therap cat: cardiotonic, uterine hemostatic</p>	<p>C11H14ClNO3</p>	<p>243.6921</p>	 <p>ClH</p>
<p>HELENINE Therap cat: antibacterial, antineoplastic, anthelmintic</p>	<p>C15H20O2</p>	<p>232.3255</p>	

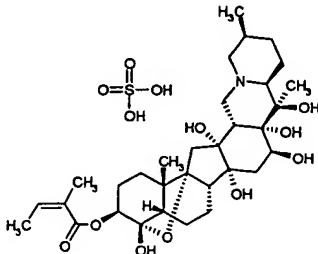
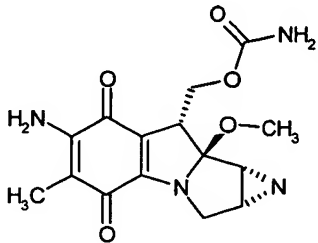
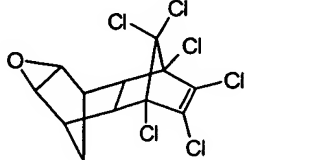
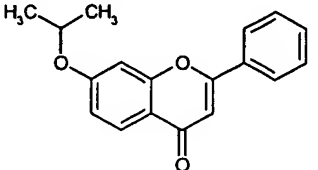
StavrovskayaSupplemental Table 1

<p>HESPERIDIN Therap cat: capillary protectant</p>	<p>C28H34O15</p>	<p>610.5742</p>	
<p>HESPERETIN Therap cat: antispasmodic</p>	<p>C16H14O6</p>	<p>302.2864</p>	
<p>CHAULMOOGRIC ACID, ETHYL ESTER Therap cat: antilepreic</p>	<p>C20H36O2</p>	<p>308.5087</p>	
<p>QUASSIN Therap cat: antaemobic, insecticide</p>	<p>C22H28O6</p>	<p>388.4649</p>	

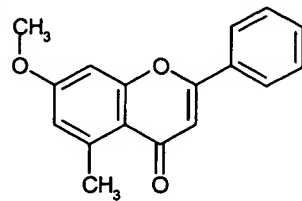
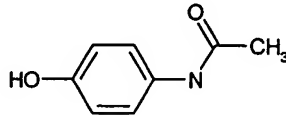
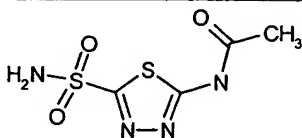
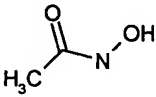
StavrovskayaSupplemental Table 1

<p>SANGUINARINE NITRATE Therap cat: keratolytic; J Heterocyclic Chem 9: 1453 (1972)</p>	<p>C20H14N2O7</p>	<p>394.3438</p>	
<p>alpha-TOCHOPHEROL Therap cat: Vitamin E deficiency</p>	<p>C29H50O2</p>	<p>430.7207</p>	
<p>alpha-TOCHOPHERYL ACETATE Therap cat: Vitamin E deficiency</p>	<p>C31H52O3</p>	<p>472.7583</p>	
<p>QUININE ETHYL CARBONATE Therap cat: antimalarial</p>	<p>C23H28N2O4</p>	<p>396.4906</p>	

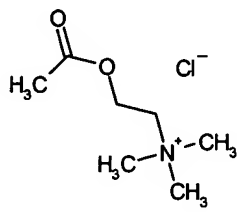
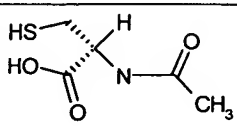
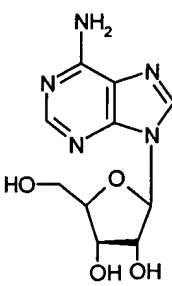
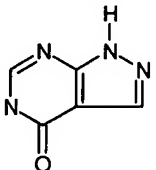
StavrovskayaSupplemental Table 1

<p>VERATRINE SULFATE (as cevadine) Therap cat: antihypertensive</p>	C32H51NO13S	689.8262	
<p>MITOMYCIN C Therap cat: antineoplastic</p>	C15H18N4O5	334.3345	
<p>DIELDRIN Therap cat: insecticide</p>	C12H8Cl6O	380.915	
<p>IPRAFLAVONE Therap cat: anabolic</p>	C18H16O3	280.3264	

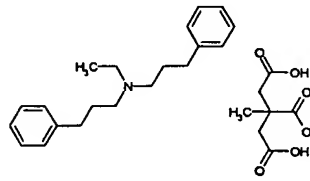
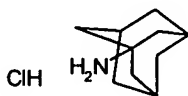
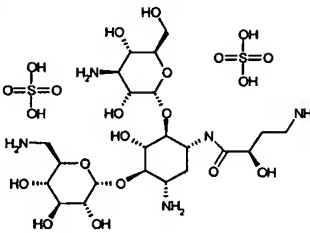
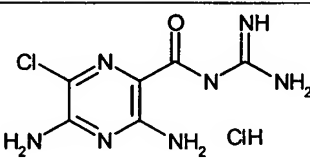
StavrovskayaSupplemental Table 1

METHOXYVONE Therap cat: anabolic	C17H14O3	266.2993	
ACETAMINOPHEN Therap cat: Analgesic; antipyretic	C8H9NO2	151.1664	
ACETAZOLAMIDE Therap cat: Carbonic anhydrase inhibitor, diuretic; treatment of glaucoma	C4H6N4O3S2	222.2454	
ACETOHYDROXAMIC ACID Therap cat: urease inhibitor, antiurolithic, antibacterial	C2H5NO2	75.06765	

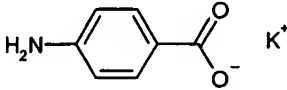
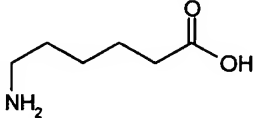
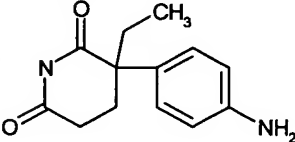
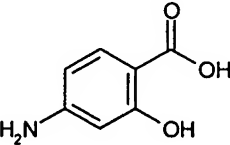
StavrovskayaSupplemental Table 1

<p>ACETYLCHOLINE</p> <p>Therap cat: Cardiac depressant; miotic;vaodilator (peripheral)</p>	C7H16ClNO2	181.6641	
<p>ACETYLCYSTEINE</p> <p>Therap cat: Mucolytic</p>	C5H9NO3S	163.1964	
<p>ADENOSINE</p> <p>Therap cat: Cardiac depressant (anti-arrhythmic)</p>	C10H13N5O4	267.2462	
<p>ALLOPURINOL</p> <p>Therap cat: Treatment of hyperuricemia and chronic gout; antiurolithic</p>	C5H4N4O	136.1138	

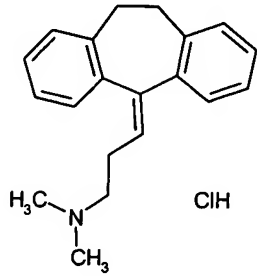
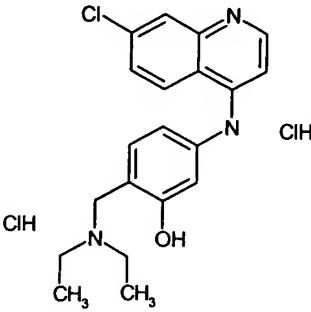
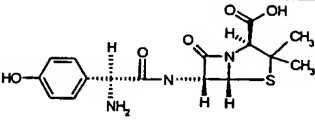
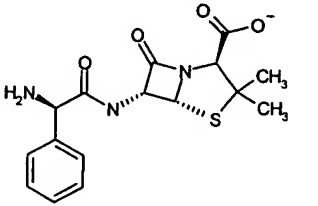
StavrovskayaSupplemental Table 1

ALVERINE CITRATE Therap cat: Anticholinergic	C27H37NO6	471.599	
AMANTADINE HYDROCHLORIDE Therap cat: Antiviral (Influenza A); antiparkinsonian; treatment of drug-induced extrapyramidal reactions	C10H18ClN	187.7147	
AMIKACIN SULFATE Therap cat: Antibacterial	C22H47N5O21S2	781.7688	
AMILORIDE HYDROCHLORIDE Therap cat: Diuretic	C6H9Cl2N7O	266.0909	

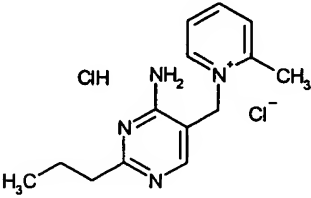
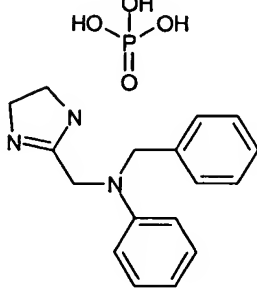
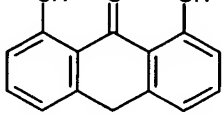
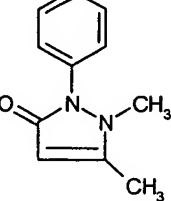
StavrovskayaSupplemental Table 1

POTASSIUM p-AMINOBENZOATE Therap cat: Ultraviolet screen	C7H6KNO2	175.2334	
AMINOCAPROIC ACID Therap cat: Hemostatic	C6H13NO2	131.176	
AMINOGLUTETHIMIDE Therap cat: In Cushing's syndrome and other adrenal hormone disorders; breast and prostatic cancer; anticonvulsant	C13H16N2O2	232.2847	
SODIUM p-AMINOSALICYLATE Therap cat: antibacterial (tuberculostatic)	C7H7NO3	153.1387	

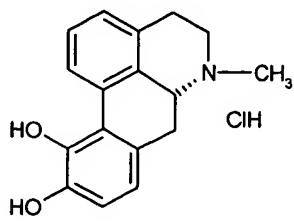
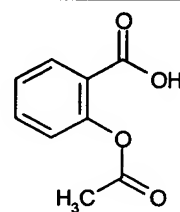
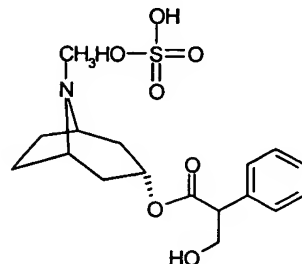
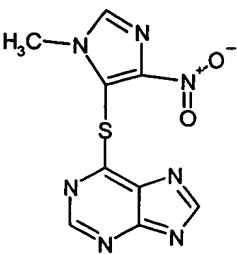
StavrovskayaSupplemental Table 1

AMITRIPTYLINE HYDROCHLORIDE Therap cat: Antidepressant	C ₂₀ H ₂₄ ClN	313.874	
AMODIAQUINE DIHYDROCHLORIDE Therap cat: Antimalarial	C ₂₀ H ₂₄ Cl ₃ N ₃ O	428.7928	
AMOXICILLIN Therap cat: Antibacterial	C ₁₆ H ₁₉ N ₃ O ₅ S	365.4109	
AMPICILLIN SODIUM Therap cat: Antibacterial	C ₁₆ H ₁₈ N ₃ NaO ₄ S	371.3934	

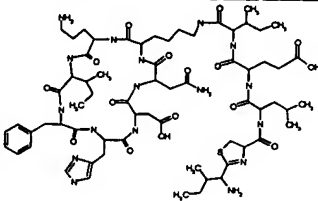
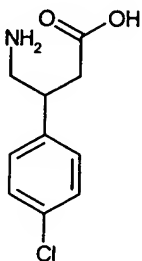
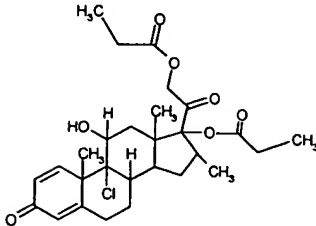
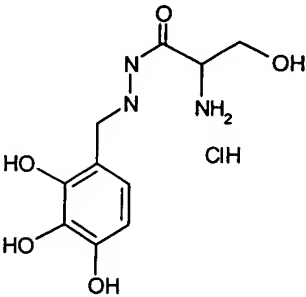
StavrovskayaSupplemental Table 1

AMPROLIUM Therap cat (vet): Coccidiostat (for poultry)	C₁₄H₂₀Cl₂N₄	315.2483	
ANTAZOLINE PHOSPHATE Therap cat: Antihistaminic	C₁₇H₂₂N₃O₄P	363.3564	
ANTHRALIN Therap cat: Antipsoriatic	C₁₄H₁₀O₃	226.234	
ANTIPYRINE Therap cat: Analgesic	C₁₁H₁₂N₂O	188.2311	

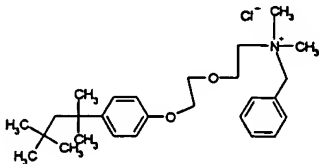
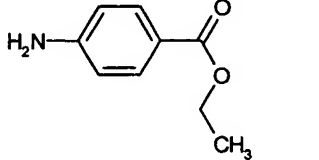
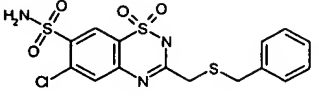
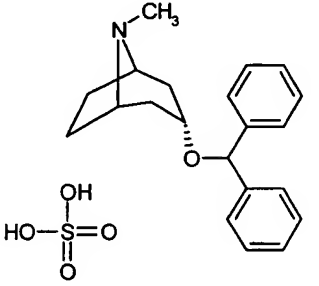
StavrovskayaSupplemental Table 1

<p>APOMORPHINE HYDROCHLORIDE Therap cat: emetic</p>	<p>C₁₇H₁₈ClNO₂</p>	<p>303.7915</p>	
<p>ASPIRIN Therap cat: Analgesic; antipyretic; anti- inflammatory</p>	<p>C₉H₈O₄</p>	<p>180.1617</p>	
<p>ATROPINE Therap cat: Anticholinergic; mydriatic; in preanesthetic medication</p>	<p>C₁₇H₂₅NO₇S</p>	<p>387.4553</p>	
<p>AZATHIOPRINE Therap cat: Immunosuppressive; antineoplastic; antirheumatic; inhibits nucleic acid replication</p>	<p>C₉H₇N₇O₂S</p>	<p>277.2658</p>	

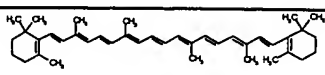
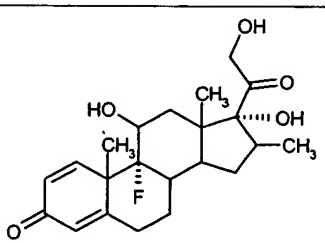
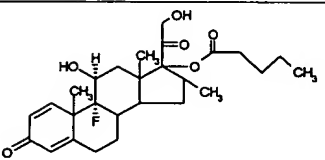
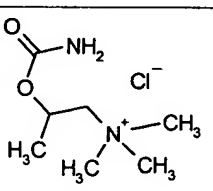
StavrovskayaSupplemental Table 1

<p>BACITRACIN Therap cat: Antibacterial</p>	<p>C₆₆H₁₀₃N₁₇O₁₆ S</p>	<p>1422.725</p>	
<p>BACLOFEN Therap cat: Muscle relaxant (skeletal)</p>	<p>C₁₀H₁₂ClNO₂</p>	<p>213.6656</p>	
<p>BECLOMETHASONE DIPROPIONATE Therap cat: Antiallergic; antiasthmatic (inhalant); topical anti-inflammatory</p>	<p>C₂₈H₃₇ClO₇</p>	<p>521.0559</p>	
<p>BENSERAZIDE HYDROCHLORIDE Therap cat: Decarboxylase inhibitor; component of Madopa (Hoffmann-LaRoche)</p>	<p>C₁₀H₁₆ClN₃O₅</p>	<p>293.7091</p>	

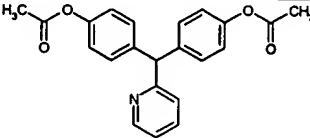
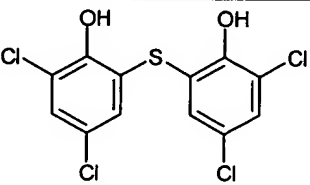
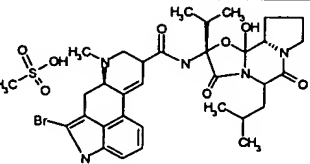
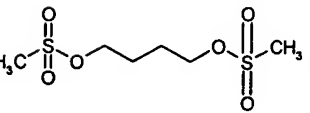
StavrovskayaSupplemental Table 1

BENZETHONIUM CHLORIDE Therap cat: Topical anti- infective	C27H42ClNO2	448.0943	
BENZOCAINE Therap cat: Topical anesthetic	C9H11NO2	165.1935	
BENZTHIAZIDE Therap cat: Diuretic; antihypertensive	C15H14ClN3O4S 3	431.9415	
BENZTROPINE Therap cat: Anticholinergic	C21H27NO5S	405.517	

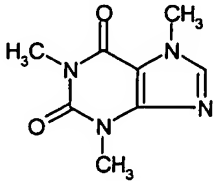
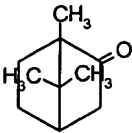
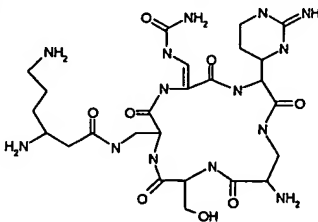
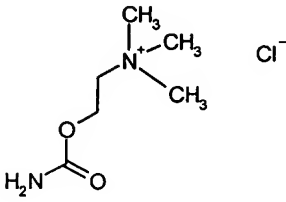
StavrovskayaSupplemental Table 1

<p>beta-CAROTENE</p> <p>Therap cat: Vitamin A precursor; ultraviolet screen</p>	C40H56	536.8923	
<p>BETAMETHASONE</p> <p>Therap cat: Glucocorticoid</p>	C22H29FO5	392.4718	
<p>BETAMETHASONE VALERATE</p> <p>Therap cat: Glucocorticoid</p>	C27H37FO6	476.5907	
<p>BETHANECHOL CHLORIDE</p> <p>Therap cat: Cholinergic</p>	C7H17ClN2O2	196.6787	

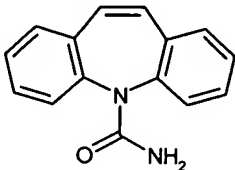
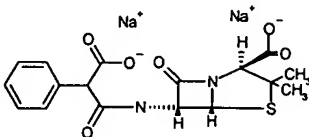
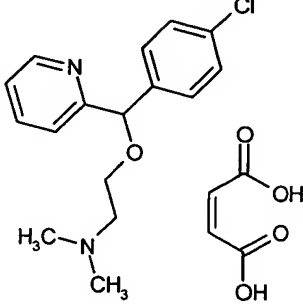
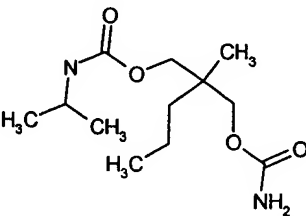
StavrovskayaSupplemental Table 1

BISACODYL Therap cat: Cathartic	C₂₂H₁₉NO₄	361.401	
BITHIONOL Therap cat: anthelmintic; antiseptic	C₁₂H₆Cl₄O₂S	356.0564	
BROMOCRIPTINE MESYLATE Therap cat: prolactin inhibitor; antiparkinsonian	C₃₃H₄₄BrN₅O₈S	750.7153	
BUSULFAN Therap cat: Antineoplastic alkylating agent: crosslinks guanine residues	C₆H₁₄O₆S₂	246.3029	

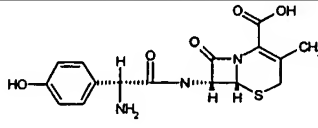
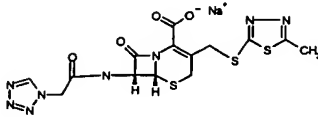
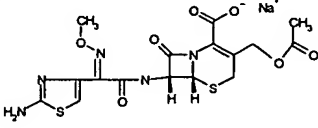
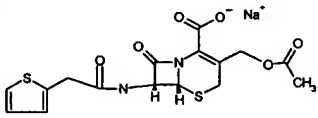
StavrovskayaSupplemental Table 1

<p>CAFFEINE Therap cat: CNS stimulant</p>	<p>C₈H₁₀N₄O₂</p>	<p>194.1945</p>	
<p>CAMPHOR Therap cat: Topical anti- infective; topical antipruritic</p>	<p>C₁₀H₁₆O</p>	<p>152.2384</p>	
<p>CAPREOMYCIN SULFATE Therap cat: Antibacterial (tuberculostatic)</p>	<p>C₂₅H₄₄N₁₄O₈</p>	<p>668.7184</p>	
<p>CARBACHOL Therap cat: Cholinergic; miotic</p>	<p>C₆H₁₅ClN₂O₂</p>	<p>182.6517</p>	

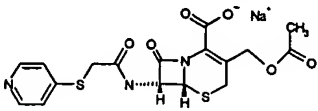
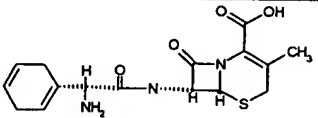
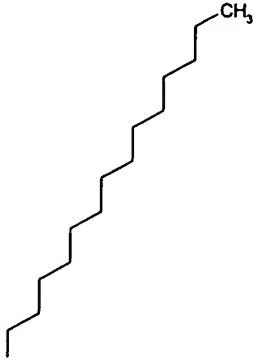
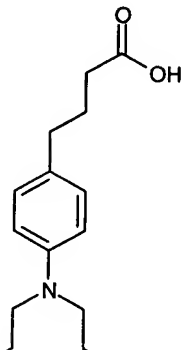
StavrovskayaSupplemental Table 1

CARBAMAZEPINE Therap cat: Analgesic; anticonvulsant	C15H12N2O	236.2757	
CARBENICILLIN DISODIUM Therap cat: Antibacterial	C17H16N2Na2O6 S	422.3705	
CARBINOXAMINE MALEATE Therap cat: Antihistaminic	C20H23ClN2O5	406.8697	
CARISOPRODOL Therap cat: Skeletal muscle relaxant	C12H24N2O4	260.3361	

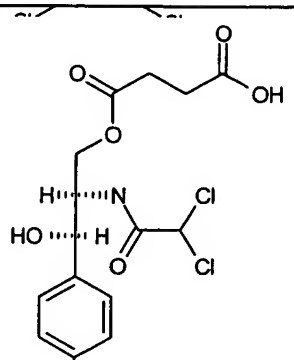
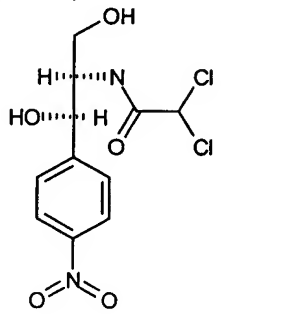
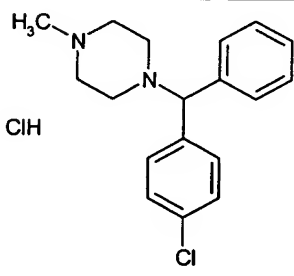
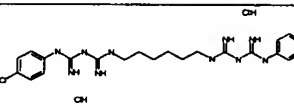
StavrovskayaSupplemental Table 1

<p>CEFADROXIL</p> <p>Therap cat: Antibacterial</p>	<p>C₁₆H₁₇N₃O₅S</p>	<p>363.395</p>	
<p>CEFAZOLIN SODIUM</p> <p>Therap cat: Antibacterial</p>	<p>C₁₄H₁₃N₈NaO₄S 3</p>	<p>476.4927</p>	
<p>CEFOTAXIME SODIUM</p> <p>Therap cat: Antibacterial</p>	<p>C₁₆H₁₆N₅NaO₇S 2</p>	<p>477.453</p>	
<p>CEPHALOTHIN SODIUM</p> <p>Therap cat: Antibacterial</p>	<p>C₁₆H₁₅N₂NaO₆S 2</p>	<p>418.4256</p>	

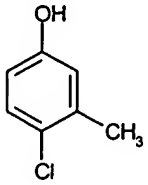
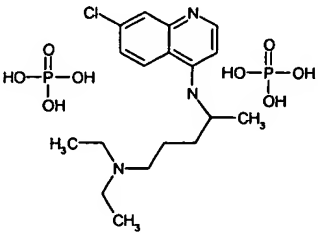
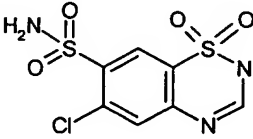
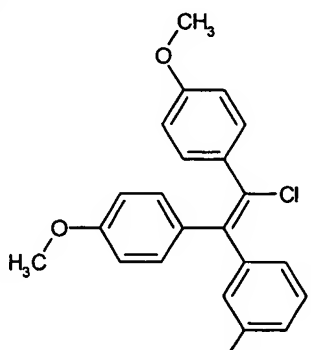
StavrovskayaSupplemental Table 1

CEPHAPIRIN SODIUM Therap cat: Antibacterial	C ₁₇ H ₁₆ N ₃ NaO ₆ S 2	445.4514	
CEPHRADINE SODIUM Therap cat: Antibacterial	C ₁₆ H ₁₉ N ₃ O ₄ S	349.4115	
CETYLPIRIDINIUM CHLORIDE Therap cat: Topical anti- infective	C ₂₁ H ₃₈ ClN	339.9967	
CHLORAMBUCIL Therap cat: Antineoplastic; tetratogen alkylating agent: crosslinks DNA	C ₁₄ H ₁₉ Cl ₂ NO ₂	304.219	

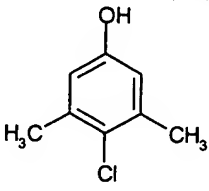
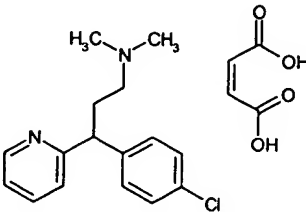
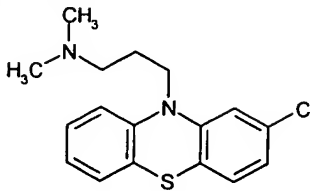
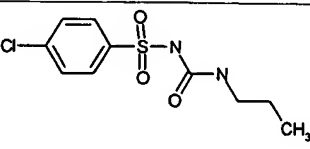
StavrovskayaSupplemental Table 1

CHLORAMPHENICOL HEMISUCCINATE Therap cat: Antibacterial; antirickettsial inhibits protein synthesis	C15H16Cl2N2O8	423.2094	
CHLORAMPHENICOL Therap cat: Antibacterial; antirickettsial inhibits protein synthesis	C11H12Cl2N2O5	323.1347	
CHLORCYCLIZINE HYDROCHLORIDE Therap cat: Antihistaminic	C18H22Cl2N2	337.2954	
CHLORHEXIDINE Therap cat: Topical antibacterial; disinfectant	C22H32Cl4N10	578.3793	

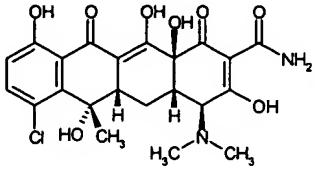
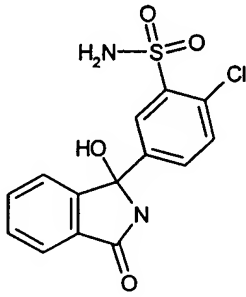
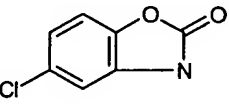
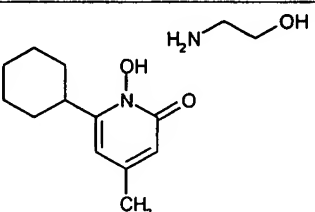
StavrovskayaSupplemental Table 1

CHLOROCRESOL Therap cat: Topical antiseptic	C7H7ClO	142.5862	
CHLOROQUINE DIPHOSPHATE Therap cat: Antimalarial; antiamebic; antirheumatic; intercalating agent: interferes with DNA transcription and replication	C18H32ClN3O8P 2	515.8716	
CHLOROTHIAZIDE Therap cat: Diuretic; antihypertensive	C7H6ClN3O4S2	295.7246	
CHLOROTRIANISENE Therap cat: Estrogen	C23H21ClO3	380.875	

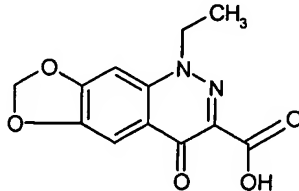
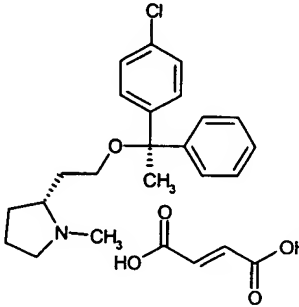
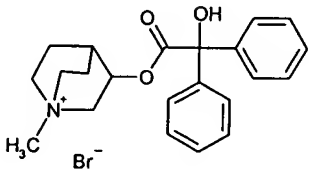
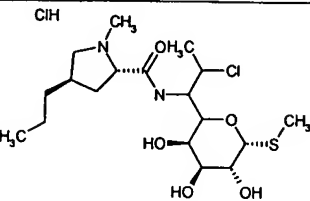
StavrovskayaSupplemental Table 1

CHLOROXYLENOL Therap cat: Antibacterial; topical and urinary antiseptic	C ₈ H ₉ ClO	156.6133	
CHLORPHENIRAMINE MALEATE Therap cat: Antihistaminic	C ₂₀ H ₂₃ ClN ₂ O ₄	390.8703	
CHLORPROMAZINE Therap cat: Anti-emetic; antipsychotic	C ₁₇ H ₁₉ ClN ₂ S	318.8714	
CHLORPROPAMIDE Therap cat: Antidiabetic	C ₁₀ H ₁₃ ClN ₂ O ₃ S	276.7437	

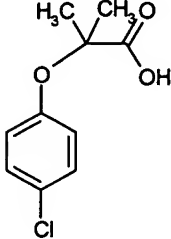
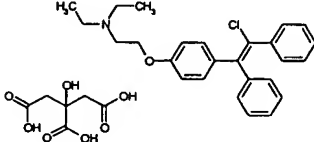
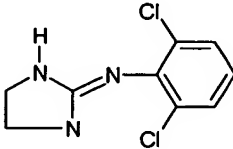
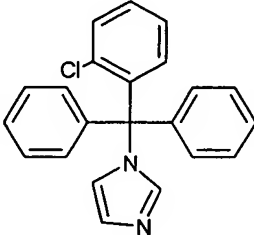
StavrovskayaSupplemental Table 1

CHLORTETRACYCLINE Therap cat: Antibacterial; antiamebic; calcium chelator hepatotoxic; interferes with triglyceride secretion, inhibits protein synthesis; binds to ribosomes	C22H23ClN2O8	478.8902	
CHLORTHALIDONE Therap cat: Diuretic; antihypertensive	C14H11ClN2O4S	338.7718	
CHLORZOXAZONE Therap cat: Skeletal muscle relaxant	C7H4ClNO2	169.5684	
CICLOPIROX OLAMINE Therap cat: Antifungal	C14H24N2O3	268.359	

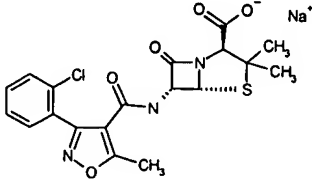
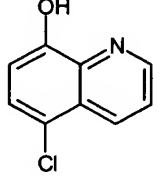
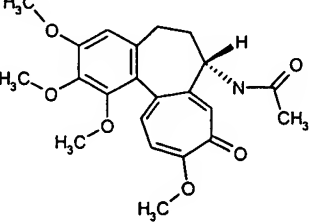
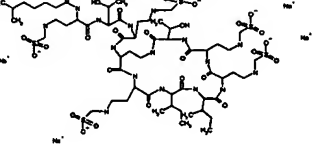
StavrovskayaSupplemental Table 1

CINOXACIN Therap cat: Antibacterial	C₁₂H₁₀N₂O₅	262.2239	
CLEMASTINE Therap cat: Antihistaminic	C₂₅H₃₀ClNO₅	459.9746	
CLIDINIUM BROMIDE Therap cat: Anticholinergic	C₂₂H₂₆BrNO₃	432.3614	
CLINDAMYCIN HYDROCHLORIDE Therap cat: Antibacterial	C₁₈H₃₄Cl₂N₂O₅S	461.4521	

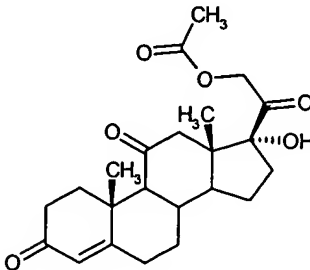
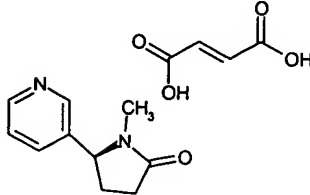
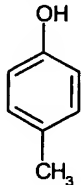
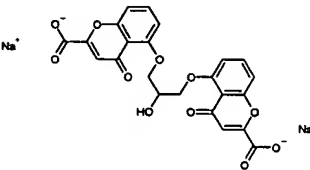
StavrovskayaSupplemental Table 1

<p>CLOFIBRIC ACID Therap cat: Antihyperlipoproteinemic</p>	<p>C₁₀H₁₁ClO₃</p>	<p>214.6504</p>	
<p>CLOMIPHENE CITRATE Therap cat: Gonad stimulating principle</p>	<p>C₃₂H₃₆ClNO₈</p>	<p>598.0986</p>	
<p>CLONIDINE HYDROCHLORIDE Therap cat: Antihypertensive</p>	<p>C₉H₁₀Cl₃N₃</p>	<p>266.5592</p>	 <p>ClH</p>
<p>CLOTRIMAZOLE Therap cat: Antifungal</p>	<p>C₂₂H₁₇ClN₂</p>	<p>344.8472</p>	

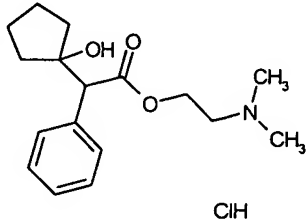
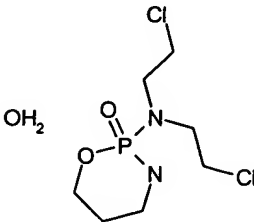
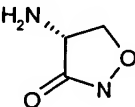
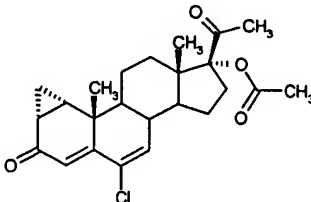
StavrovskayaSupplemental Table 1

<p>CLOXACILLIN SODIUM Therap cat: Antibacterial</p>	<p>C19H17ClN3NaO5S</p>	<p>457.8712</p>	
<p>CLOXYQUIN Therap cat: Antibacterial; antifungal</p>	<p>C9H6ClNO</p>	<p>179.6073</p>	
<p>COLCHICINE Therap cat: Gout suppressant spindle poison binds to tubulin; inhibits microtubular assembly</p>	<p>C22H25NO6</p>	<p>399.4477</p>	
<p>COLISTIMETHATE SODIUM Therap cat: Antibacterial [Brit.J.Pharmacol.Chemo ther. 23:552 (1964)]</p>	<p>C57H103N16Na5O28S5</p>	<p>1735.816</p>	

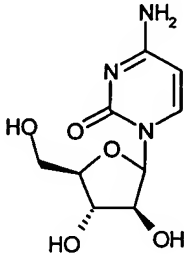
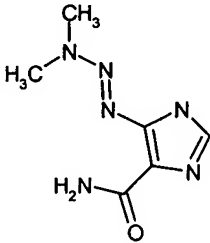
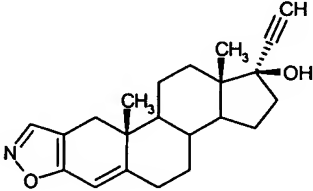
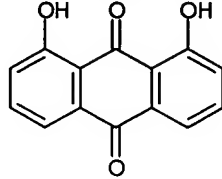
StavrovskayaSupplemental Table 1

<p>CORTISONE ACETATE</p> <p>Therap cat: Glucocorticoid</p>	<p>C23H30O6</p>	<p>402.492</p>	
<p>COTININE FUMARATE</p> <p>Therap cat: Antidepressant</p>	<p>C14H16N2O5</p>	<p>292.294</p>	
<p>CRESOL</p> <p>Therap cat: disinfectant</p>	<p>C7H8O</p>	<p>108.1412</p>	
<p>CROMOLYN SODIUM</p> <p>Therap cat: Prophylactic anti-asthmatic; anti- allergy</p>	<p>C23H14Na2O11</p>	<p>512.341</p>	

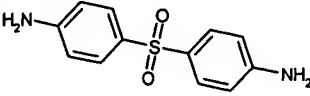
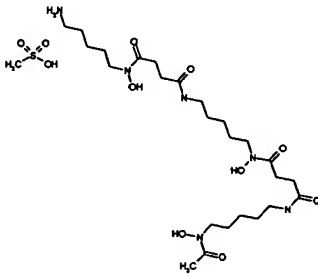
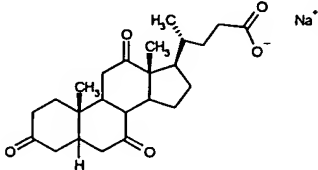
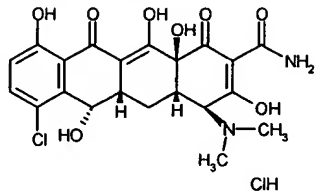
StavrovskayaSupplemental Table 1

<p>CYCLOPENTOLATE HYDROCHLORIDE Therap cat: mydriatic</p>	<p>C₁₇H₂₆ClNO₃</p>	<p>327.8547</p>	 <p>ClH</p>
<p>CYCLOPHOSPHAMIDE HYDRATE Therap cat: Antineoplastic alkylating agent: crosslinks DNA</p>	<p>C₇H₁₇Cl₂N₂O₃P</p>	<p>279.1049</p>	
<p>CYCLOSERINE Therap cat: Antibacterial (tuberculostatic)</p>	<p>C₃H₆N₂O₂</p>	<p>102.0935</p>	
<p>CYPROTERONE ACETATE Therap cat: anti- androgen</p>	<p>C₂₄H₂₉ClO₄</p>	<p>416.9493</p>	

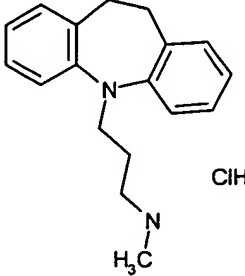
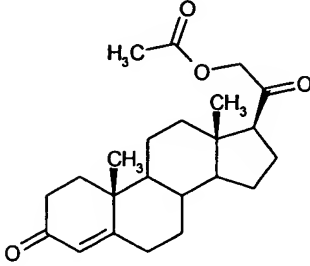
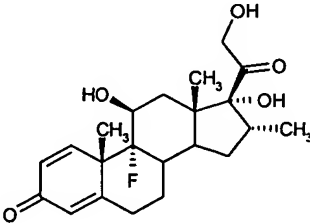
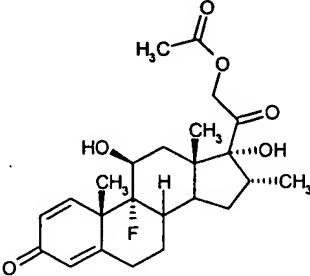
StavrovskayaSupplemental Table 1

<p>CYTARABINE Therap cat: Antineoplastic; antiviral antimetabolite: inhibits nucleic acid replication</p>	<p>C₉H₁₃N₃O₅</p>	<p>243.2211</p>	
<p>DACARBAZINE Therap cat: Antineoplastic</p>	<p>C₆H₁₀N₆O</p>	<p>182.1862</p>	
<p>DANAZOL Therap cat: Anterior pituitary suppressant</p>	<p>C₂₂H₂₇NO₂</p>	<p>337.466</p>	
<p>DANTHRON Therap cat: Cathartic</p>	<p>C₁₄H₈O₄</p>	<p>240.2175</p>	

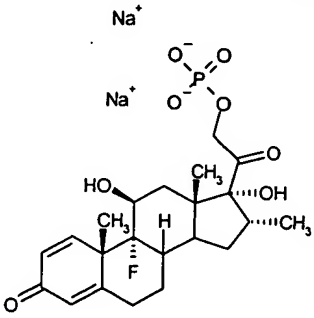
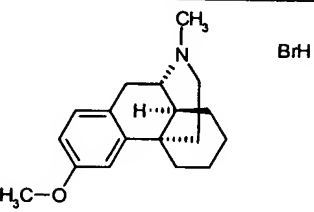
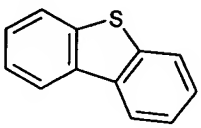
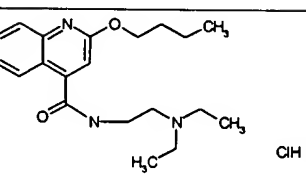
StavrovskayaSupplemental Table 1

<p>DAPSONE Therap cat: Antibacterial (leprostatic); dermatitis herpetiformis suppressant</p>	<p>C12H12N2O2S</p>	<p>248.3056</p>	
<p>DEFEROXAMINE MESYLATE Therap cat: Parental chelating agent (iron and aluminum)</p>	<p>C26H52N6O11S</p>	<p>656.8019</p>	
<p>SODIUM DEHYDROCHOLATE Therap cat: choleric</p>	<p>C24H33NaO5</p>	<p>424.5174</p>	
<p>DEMECLOCYCLINE HYDROCHLORIDE Therap cat: Antibacterial</p>	<p>C21H22Cl2N2O8</p>	<p>501.3241</p>	

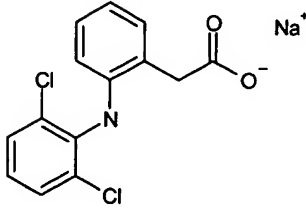
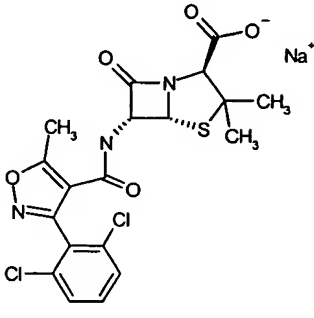
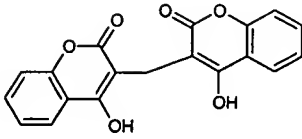
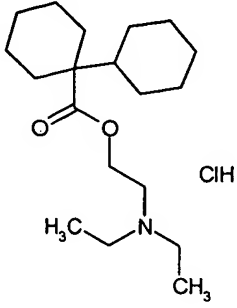
StavrovskayaSupplemental Table 1

DESIPRAMINE HYDROCHLORIDE Therap cat: Antidepressant	C18H23ClN2	302.8504	
DESOXYCORTICOSTERONE ACETATE Therap cat: Mineralocorticoid	C23H32O4	372.5091	
DEXAMETHASONE Therap cat: Glucocorticoid	C22H29FO5	392.4718	
DEXAMETHASONE ACETATE Therap cat: Glucocorticoid; anti-inflammatory; diagnostic aid (Cushing's Syndrome, depression)	C24H31FO6	434.5095	

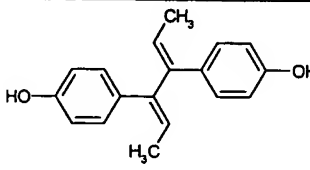
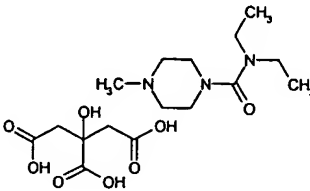
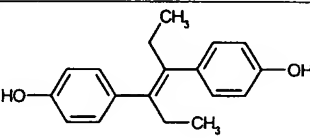
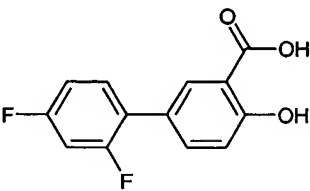
StavrovskayaSupplemental Table 1

DEXAMETHASONE SODIUM PHOSPHATE Therap cat: Glucocorticoid; anti-inflammatory; diagnostic aid (Cushing's Syndrome, depression)	C ₂₂ H ₂₈ FNa ₂ O ₈ P	516.4155	
DEXTROMETHORPHAN HYDROBROMIDE Therap cat: antitussive	C ₁₈ H ₂₆ BrNO	352.318	
DIBENZOTHIOPHENE Therap cat: keratolytic	C ₁₂ H ₈ S	184.2616	
DIBUCAINE HYDROCHLORIDE Therap cat: Local anesthetic	C ₂₀ H ₃₀ ClN ₃ O ₂	379.934	

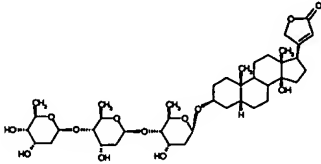
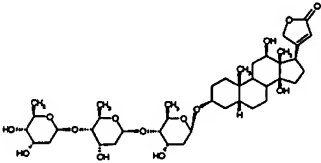
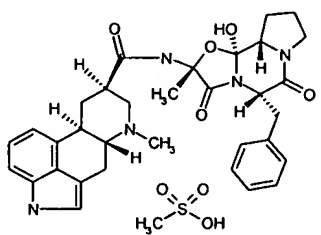
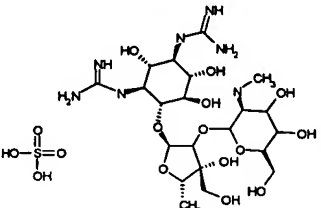
StavrovskayaSupplemental Table 1

<p>SODIUM DICHLOFENAC Therap cat: antiinflammatory</p>	<p>C₁₄H₁₀Cl₂NNaO 2</p>	<p>318.1371</p>	
<p>DICLOXACILLIN SODIUM Therap cat: Antibacterial</p>	<p>C₁₉H₁₆Cl₂N₃Na O₅S</p>	<p>492.3163</p>	
<p>DICUMAROL Therap cat: Anticoagulant uncoupler of oxidative respiration</p>	<p>C₁₉H₁₂O₆</p>	<p>336.3039</p>	
<p>DICYCLOMINE HYDROCHLORIDE Therap cat: Anticholinergic</p>	<p>C₁₉H₃₆ClNO₂</p>	<p>345.9573</p>	

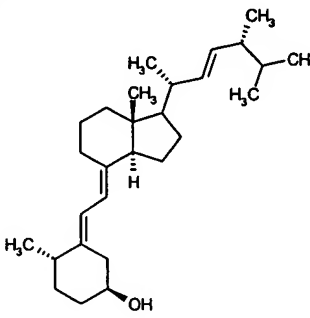
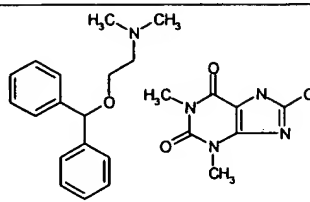
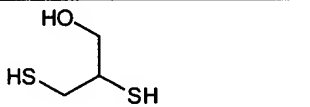
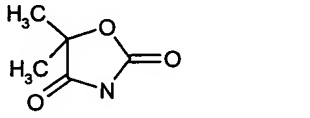
StavrovskayaSupplemental Table 1

DIENESTROL Therap cat: Estrogen	C ₁₈ H ₁₈ O ₂	266.343	
DIETHYLCARBAMAZIN E CITRATE Therap cat: Anthelmintic (Nematodes)	C ₁₆ H ₂₉ N ₃ O ₈	391.4248	
DIETHYLSTILBESTROL Therap cat: Estrogen	C ₁₈ H ₂₀ O ₂	268.3589	
DIFLUNISAL Therap cat: Analgesic; anti-inflammatory	C ₁₃ H ₈ F ₂ O ₃	250.2037	

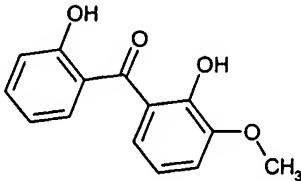
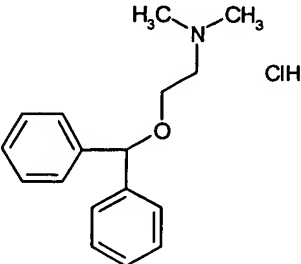
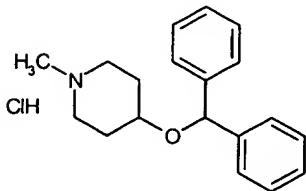
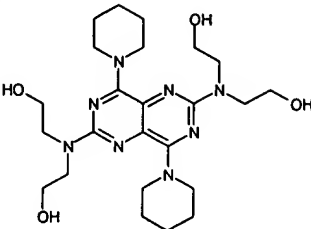
StavrovskayaSupplemental Table 1

<p>DIGITOXIN Therap cat: Cardiotonic cardiotoxic inhibits Na⁺/K⁺ ATPase</p>	<p>C41H64O13</p>	<p>764.9594</p>	
<p>DIGOXIN Therap cat: Cardiotonic</p>	<p>C41H64O14</p>	<p>780.9588</p>	
<p>DIHYDROERGOTAMINE MESYLATE Therap cat: Vasoconstrictor (specific in migraine)</p>	<p>C34H41N5O8S</p>	<p>679.7986</p>	
<p>DIHYDROSTREPTOMYCIN SULFATE Therap cat: Antibacterial (tuberculostatic)</p>	<p>C21H43N7O16S</p>	<p>681.6782</p>	

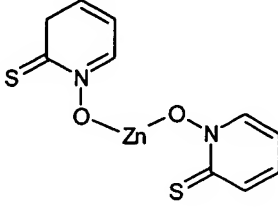
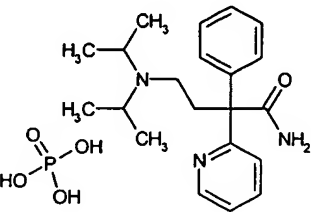
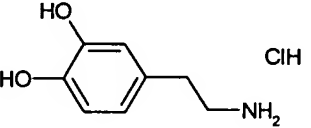
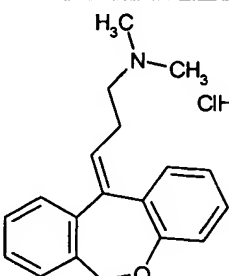
StavrovskayaSupplemental Table 1

DIHYDROTACHYSTER OL Therap cat: Calcium regulator	C28H46O	398.6782	
DIMENHYDRINATE Therap cat: anti-emetic	C24H28ClN5O3	469.9755	
DIMERCAPTOPROPAN OL Therap cat: Antidote (to arsenic, gold and mercury poisoning)	C3H8OS2	124.2246	
DIMETHADIONE Therap cat: anticonvulsant	C5H7NO3	129.1164	

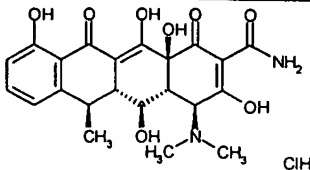
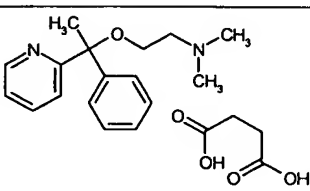
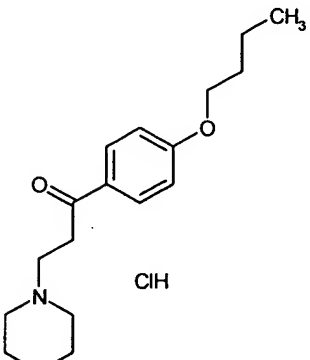
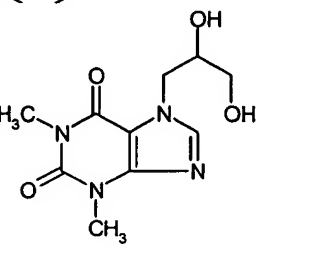
StavrovskayaSupplemental Table 1

<p>DIOXYBENZONE Therap cat: Ultraviolet screen</p>	<p>C₁₄H₁₂O₄</p>	<p>244.2493</p>	
<p>DIPHENHYDRAMINE HYDROCHLORIDE Therap cat: antihistaminic</p>	<p>C₁₇H₂₂ClNO</p>	<p>291.824</p>	
<p>DIPHENYLPYRALINE HYDROCHLORIDE Therap cat: antihistaminic</p>	<p>C₁₉H₂₄ClNO</p>	<p>317.8622</p>	
<p>DIPYRIDAMOLE Therap cat: Coronary vasodilator</p>	<p>C₂₄H₄₀N₈O₄</p>	<p>504.6376</p>	

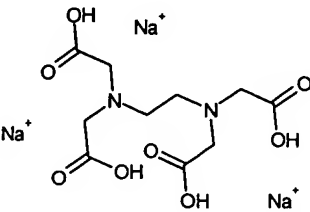
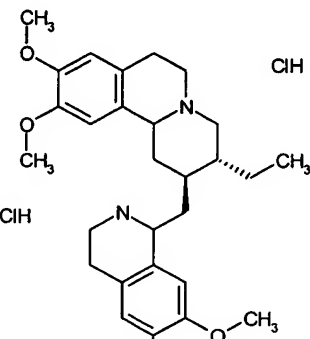
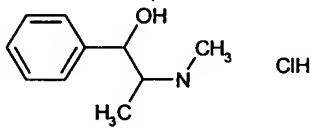
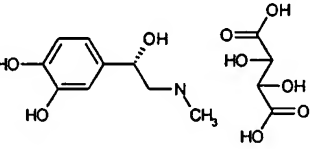
StavrovskayaSupplemental Table 1

<p>PYRITHIONE ZINC Therap cat: antibacterial; antifungal; antiseborrheic</p>	<p>C₁₀H₁₀N₂O₂S₂Zn</p>	<p>319.7014</p>	
<p>DISOPYRAMIDE PHOSPHATE Therap cat: Cardiac depressant (anti-arrhythmic)</p>	<p>C₂₁H₃₂N₃O₅P</p>	<p>437.4801</p>	
<p>DOPAMINE HYDROCHLORIDE Therap cat: cardiotonic; antihypotensive</p>	<p>C₈H₁₂ClNO₂</p>	<p>189.6433</p>	
<p>DOXEPIN HYDROCHLORIDE Therap cat: antidepressant</p>	<p>C₁₉H₂₂ClNO</p>	<p>315.8463</p>	

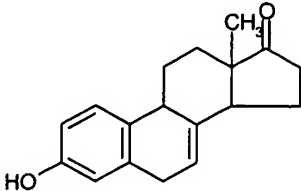
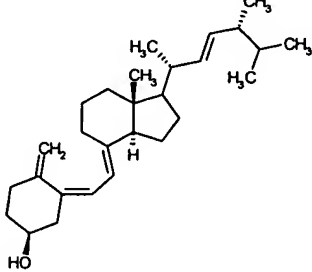
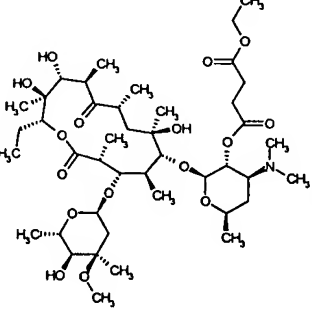
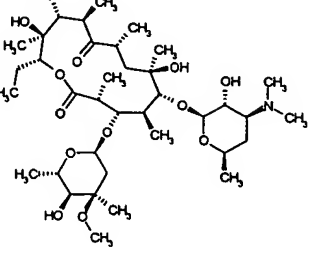
StavrovskayaSupplemental Table 1

DOXYCYCLINE HYDROCHLORIDE Therap cat: antibacterial	C22H25ClN2O8	480.9062	
DOXYLAMINE SUCCINATE Therap cat: Antihistaminic; hypnotic	C21H28N2O5	388.4677	
DYCLONINE HYDROCHLORIDE Therap cat: Anesthetic (topical)	C18H28ClNO2	325.8824	
DYPHYLLINE Therap cat: Bronchodilator	C10H14N4O4	254.2475	

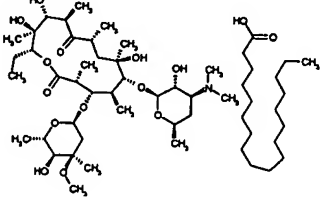
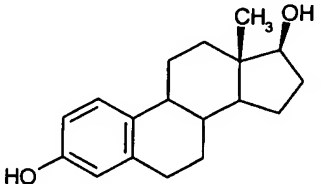
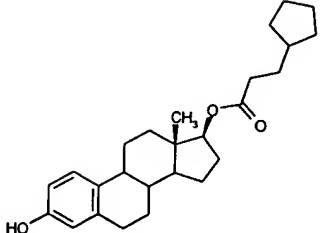
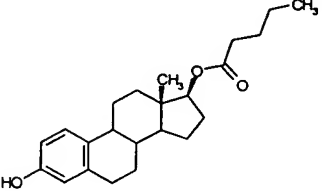
StavrovskayaSupplemental Table 1

<p>TRISODIUM ETHYLENEDIAMINE TETRACETATE Therap cat: chelating agent, antioxidant</p>	<p>C10H16N2Na3O8</p>	<p>361.217</p>	
<p>EMETINE HYDROCHLORIDE Therap cat: Antiamebic; inhibits RNA, DNA and protein synthesis</p>	<p>C29H42Cl2N2O4</p>	<p>553.5751</p>	
<p>EPHEDRINE HYDROCHLORIDE Therap cat: Bronchodilator</p>	<p>C10H16ClNO</p>	<p>201.6981</p>	
<p>EPINEPHRINE BITARTRATE Therap cat: Adrenergic; bronchodilator; mydriatic; antiglaucoma agent</p>	<p>C13H19NO9</p>	<p>333.2977</p>	

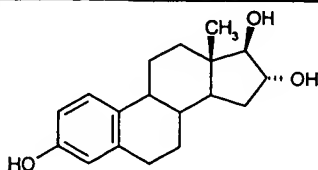
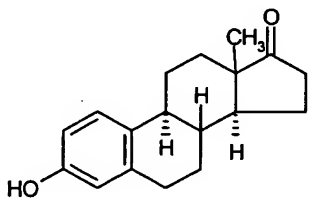
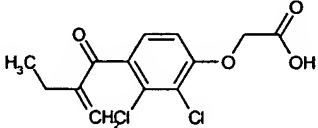
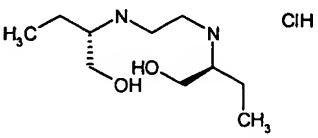
StavrovskayaSupplemental Table 1

<p>EQUILIN Therap cat: Estrogen</p>	<p>C18H20O2</p>	<p>268.3589</p>	
<p>ERGOCALCIFEROL Therap cat: Antirachitic vitamin</p>	<p>C28H44O</p>	<p>396.6623</p>	
<p>ERYTHROMYCIN ETHYLSUCCINATE Therap cat: Antibacterial</p>	<p>C43H75NO16</p>	<p>862.0743</p>	
<p>ERYTHROMYCIN Therap cat: Antibacterial</p>	<p>C37H67NO13</p>	<p>733.9454</p>	

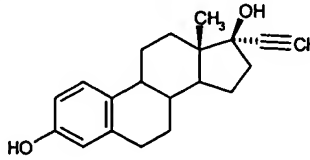
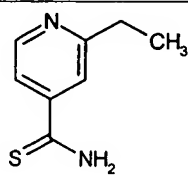
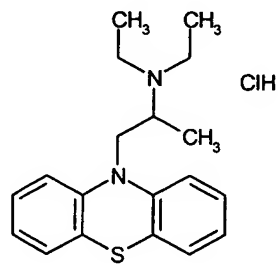
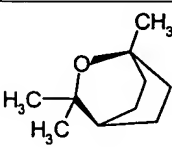
StavrovskayaSupplemental Table 1

<p>ERYTHROMYCIN STEARATE Therap cat: Antibacterial</p>	<p>C₅₅H₁₀₃NO₁₅</p>	<p>1018.432</p>	
<p>ESTRADIOL Therap cat: Estrogen</p>	<p>C₁₈H₂₄O₂</p>	<p>272.3908</p>	
<p>ESTRADIOL CYPIONATE Therap cat: Estrogen</p>	<p>C₂₆H₃₆O₃</p>	<p>396.575</p>	
<p>ESTRADIOL VALERATE Therap cat: estrogen</p>	<p>C₂₃H₃₂O₃</p>	<p>356.5097</p>	

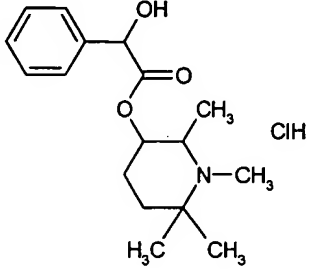
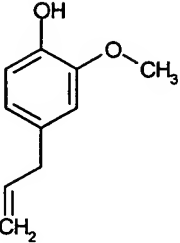
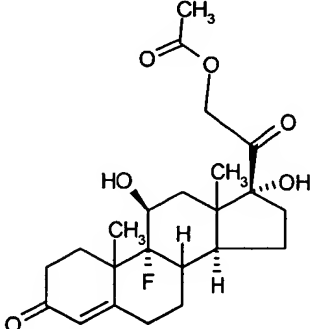
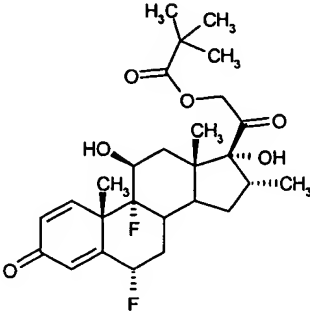
StavrovskayaSupplemental Table 1

ESTRIOL Therap cat: estrogen	C ₁₈ H ₂₄ O ₃	288.3902	
ESTRONE Therap cat: estrogen	C ₁₈ H ₂₂ O ₂	270.3748	
ETHACRYNIC ACID Therap cat: Diuretic	C ₁₃ H ₁₂ Cl ₂ O ₄	303.1442	
ETHAMBUTOL DIHYDROCHLORIDE Therap cat: antibacterial (tuberculostatic)	C ₁₀ H ₂₆ Cl ₂ N ₂ O ₂	277.2369	<p>ClH</p>  <p>ClH</p>

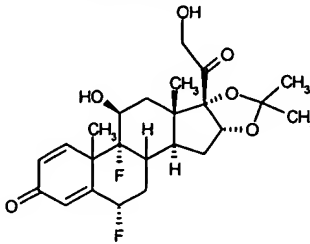
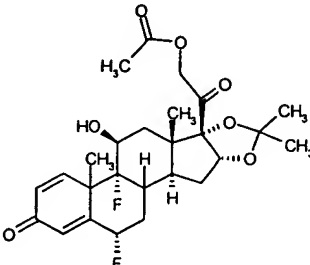
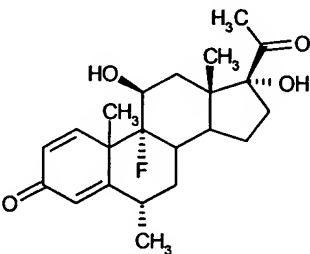
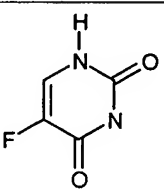
StavrovskayaSupplemental Table 1

<p>ETHINYL ESTRADIOL Therap cat: Estrogen; in combination with progestogen as oral contraceptive</p>	C ₂₀ H ₂₄ O ₂	296.4131	
<p>ETHIONAMIDE Therap cat: Antibacterial (tuberculostatic)</p>	C ₈ H ₁₀ N ₂ S	166.2463	
<p>ETHOPROPAZINE HYDROCHLORIDE Therap cat: antiparkinsonian; anticholinergic</p>	C ₁₉ H ₂₅ ClN ₂ S	348.9415	
<p>CINEOLE Therap cat: Anthelmintic, antiseptic, expectorant</p>	C ₁₀ H ₁₈ O	154.2544	

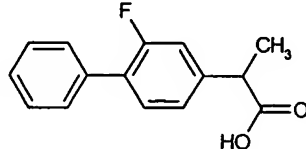
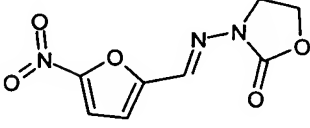
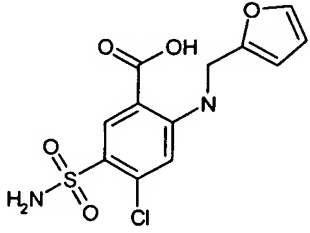
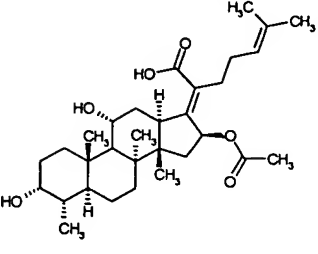
StavrovskayaSupplemental Table 1

<p>EUCATROPINE HYDROCHLORIDE Therap cat: anticholinergic (ophthalmic)</p>	<p>C17H26ClNO3</p>	<p>327.8547</p>	
<p>EUGENOL Therap cat: Analgesic (dental)</p>	<p>C10H12O2</p>	<p>164.2059</p>	
<p>FLUDROCORTISONE ACETATE Therap cat: Mineralcorticoid</p>	<p>C23H31FO6</p>	<p>422.4983</p>	
<p>FLUMETHAZONE PIVALATE Therap cat: Glucocorticoid; anti- inflammatory</p>	<p>C27H36F2O6</p>	<p>494.5812</p>	

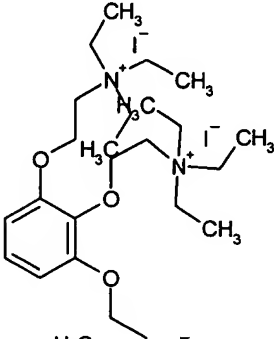
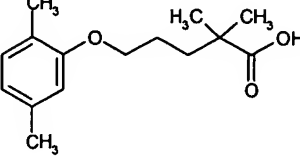
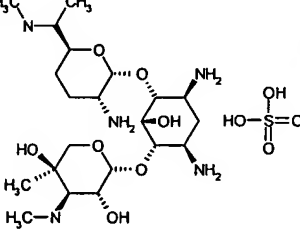
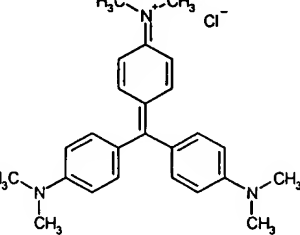
StavrovskayaSupplemental Table 1

<p>FLUOCINOLONE ACETONIDE Therap cat: Glucocorticoid; anti-inflammatory</p>	C24H30F2O6	452.4999	
<p>FLUOCINONIDE Therap cat: Anti-inflammatory; glucocorticoid</p>	C26H32F2O7	494.5375	
<p>FLUOROMETHOLONE Therap cat: Glucocorticoid; anti-inflammatory</p>	C22H29FO4	376.4724	
<p>FLUOROURACIL Therap cat: Antineoplastic pyrimidine antimetabolite: inhibits nucleic acid replication; tetratogen inhibits thymilate synthetase</p>	C4H3FN2O2	130.0791	

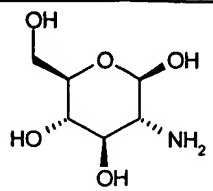
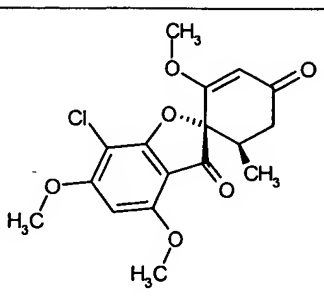
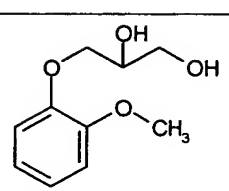
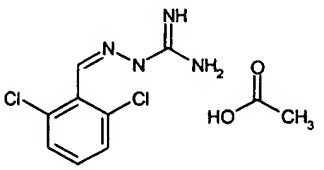
StavrovskayaSupplemental Table 1

FLURBIPROFEN Therap cat: Anti-inflammatory; analgesic	C15H13FO2	244.2681	
FURAZOLIDONE Therap cat: Antimicrobial	C8H7N3O5	225.1621	
FUROSEMIDE Therap cat: Diuretic; antihypertensive	C12H11ClN2O5S	330.7489	
FUSIDIC ACID Therap cat: Antibacterial	C31H48O6	516.7246	

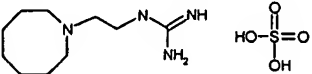
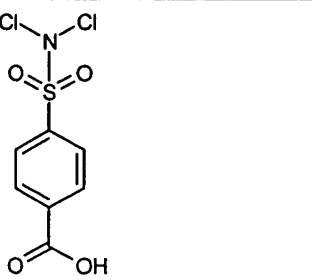
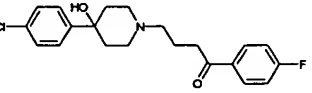
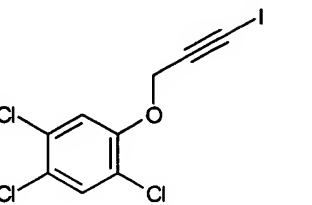
StavrovskayaSupplemental Table 1

<p>GALLAMINE Therap cat: Skeletal muscle relaxant</p>	<p>C30H60I3N3O3</p>	<p>891.5442</p>	
<p>GEMFIBROZIL Therap cat: Antihyperlipoproteinemic</p>	<p>C15H22O3</p>	<p>250.3408</p>	
<p>GENTAMICIN SULFATE Therap cat: Antibacterial</p>	<p>C21H45N5O11S</p>	<p>575.6837</p>	
<p>GENTIAN VIOLET Therap cat: Antibacterial; anthelmintic (Nematodes)</p>	<p>C25H30ClN3</p>	<p>407.991</p>	

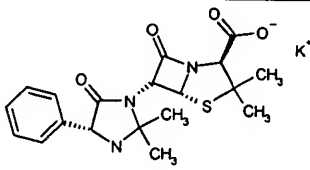
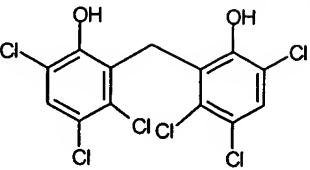
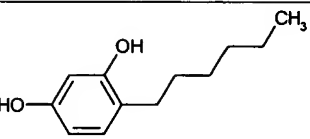
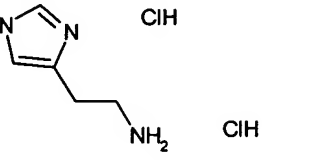
StavrovskayaSupplemental Table 1

GLUCOSAMINE HYDROCHLORIDE Therap cat: Antiarthritic	C6H13NO5	179.1742	
GRISEOFULVIN Therap cat: antifungal, inhibits mitosis in metaphase interacts with polymerized microtubules and associated proteins	C17H17ClO6	352.7744	
GUAIFENESIN Therap cat: Expectorant	C10H14O4	198.2207	
GUANABENZ ACETATE Therap cat: Antihypertensive	C10H12Cl2N4O2	291.1387	

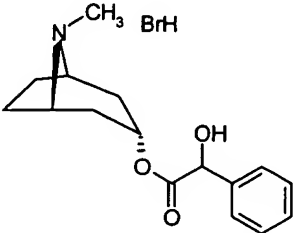
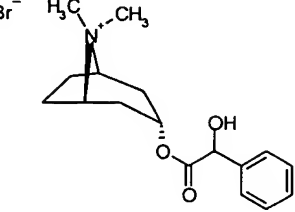
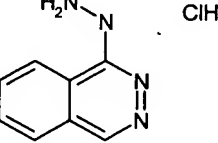
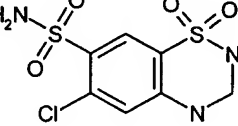
StavrovskayaSupplemental Table 1

<p>GUANETHIDINE SULFATE Therap cat: antihypertensive, mitotic agent</p>	<p>C₁₀H₂₄N₄O₄S</p>	<p>296.3912</p>	
<p>HALAZONE Therap cat: disinfectant</p>	<p>C₇H₅Cl₂NO₄S</p>	<p>270.0922</p>	
<p>HALOPERIDOL Therap cat: Antidyskinetic (in Gilles de la Tourette's disease; antipsychotic</p>	<p>C₂₁H₂₃ClFNO₂</p>	<p>375.8744</p>	
<p>HALOPROGIN Therap cat: Antibacterial</p>	<p>C₉H₄Cl₃IO</p>	<p>361.395</p>	

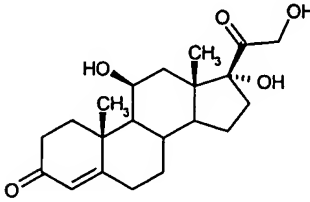
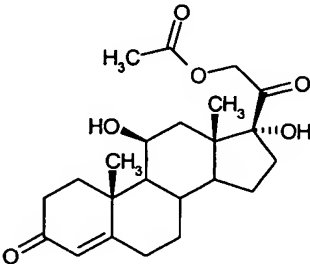
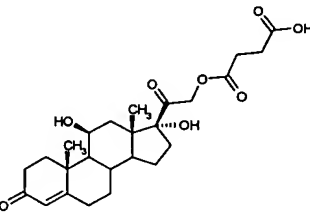
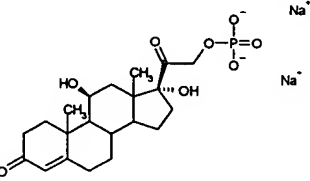
StavrovskayaSupplemental Table 1

<p>HETACILLIN POTASSIUM Therap cat: antibacterial</p>	<p>C₁₉H₂₂KN₃O₄S</p>	<p>427.5709</p>	
<p>HEXACHLOROPHENE Therap cat: Topical anti-infective</p>	<p>C₁₃H₆Cl₆O₂</p>	<p>406.9096</p>	
<p>HEXYLRESORCINOL Therap cat: Anthelmintic (Nematodes); topical antiseptic</p>	<p>C₁₂H₁₈O₂</p>	<p>194.2761</p>	
<p>HISTAMINE DIHYDROCHLORIDE Therap cat: Diagnostic aid (gastric secretion, pheochromocytoma); hyposensitization therapy</p>	<p>C₅H₁₁Cl₂N₃</p>	<p>184.0695</p>	

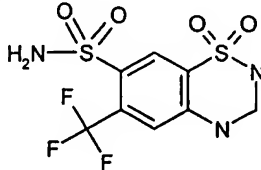
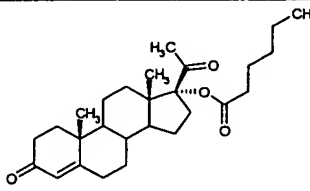
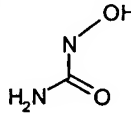
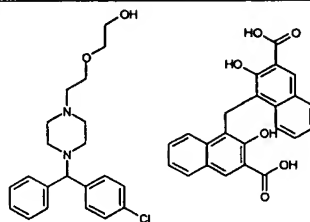
StavrovskayaSupplemental Table 1

<p>HOMATROPINE BROMIDE Therap cat: Anticholinergic (ophthalmic)</p>	<p>C₁₆H₂₂BrNO₃</p>	<p>356.2626</p>	
<p>HOMATROPINE METHYLBROMIDE Therap cat: anticholinergic (ophthalmic)</p>	<p>C₁₇H₂₄BrNO₃</p>	<p>370.2897</p>	
<p>HYDRALAZINE HYDROCHLORIDE Therap cat: Antihypertensive</p>	<p>C₈H₉ClN₄</p>	<p>196.6407</p>	
<p>HYDROCHLOROTHIAZIDE Therap cat: Diuretic</p>	<p>C₇H₈ClN₃O₄S₂</p>	<p>297.7405</p>	

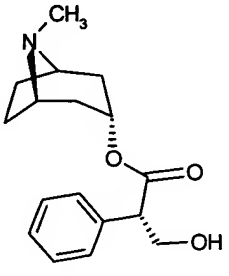
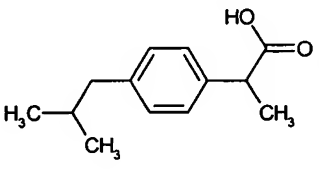
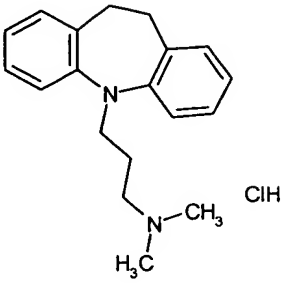
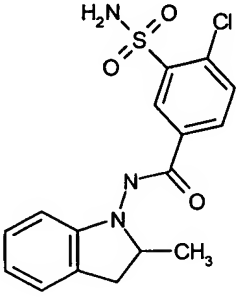
StavrovskayaSupplemental Table 1

HYDROCORTISONE Therap cat: Glucocorticoid; anti-inflammatory	C21H30O5	362.4703	
HYDROCORTISONE ACETATE Therap cat: Glucocorticoid; anti-inflammatory	C23H32O6	404.5079	
HYDROCORTISONE HEMISUCCINATE Therap cat: Glucocorticoid	C25H34O8	462.5449	
HYDROCORTISONE SODIUM PHOSPHATE Therap cat: Glucocorticoid	C21H29Na2O8P	486.4139	

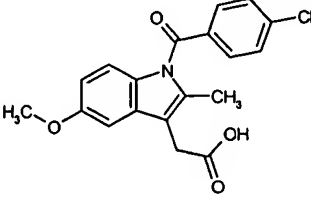
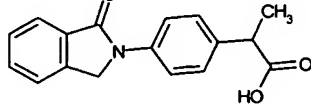
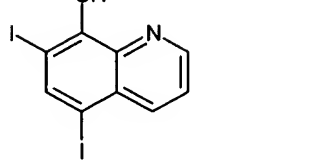
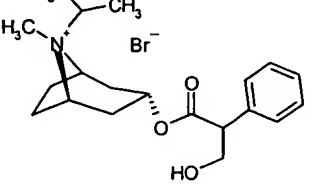
StavrovskayaSupplemental Table 1

HYDROFLUMETHIAZIDE Therap cat: Antihypertensive; diuretic	C8H8F3N3O4S2	331.2939	
HYDROXYPROGESTERONE CAPROATE Therap cat: Progestogen	C27H40O4	428.6175	
HYDROXYUREA Therap cat: Antineoplastic S-phase/G-1 interface inhibitor tetrahydro: inhibits ribonucleoside diphosphate reductase	CH4N2O2	76.05523	
HYDROXYZINE PAMOATE Therap cat: Anxiolytic; antihistaminic	C44H43ClN2O8	763.2949	

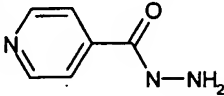
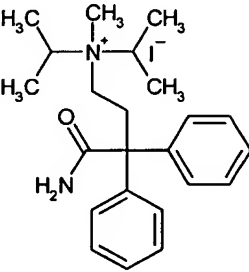
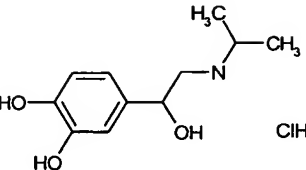
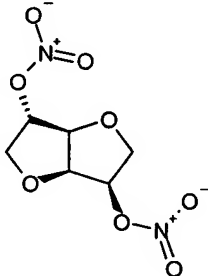
StavrovskayaSupplemental Table 1

<p>HYOSCYAMINE Therap cat: Anticholinergic</p>	<p>C17H23NO3</p>	<p>289.3778</p>	
<p>IBUPROFEN Therap cat: Anti-inflammatory</p>	<p>C13H18O2</p>	<p>206.2872</p>	
<p>IMIPRAMINE HYDROCHLORIDE Therap cat: antidepressant</p>	<p>C19H25ClN2</p>	<p>316.8775</p>	
<p>INDAPAMIDE Therap cat: Diuretic; antihypertensive</p>	<p>C16H16ClN3O3S</p>	<p>365.8412</p>	

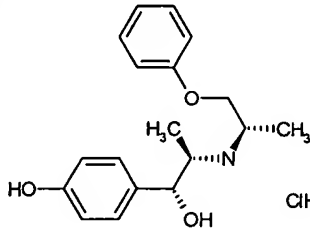
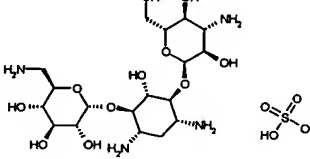
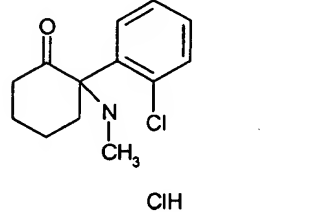
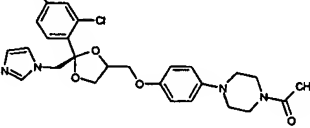
StavrovskayaSupplemental Table 1

INDOMETHACIN Therap cat: Anti-inflammatory; antipyretic; analgesic	C₁₉H₁₆ClNO₄	357.7967	
INDOPROFEN Therap cat: Analgesic; anti-inflammatory	C₁₇H₁₅NO₃	281.314	
IDOQUINOL Therap cat: Anti-amebic	C₉H₅I₂NO	396.9551	
IPRATROPIUM BROMIDE Therap cat: Bronchodilator; antiarrhythmic	C₂₀H₃₀BrNO₃	412.371	

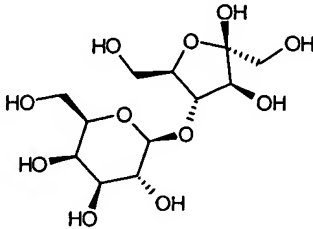
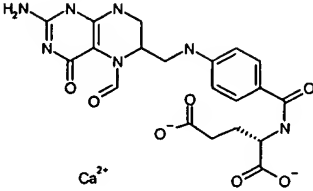
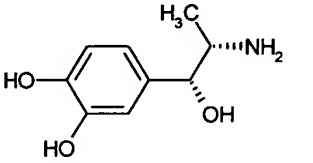
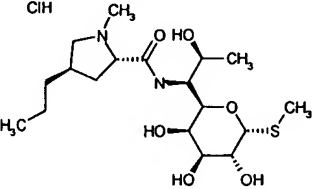
StavrovskayaSupplemental Table 1

ISONIAZID Therap cat: Antibacterial (tuberculostatic)	C ₆ H ₇ N ₃ O	137.1422	
ISOPROPAMIDE IODIDE Therap cat: Anticholinergic	C ₂₃ H ₃₃ N ₂ O	480.4367	
ISOPROTERENOL HYDROCHLORIDE Therap cat: Bronchodilator	C ₁₁ H ₁₈ ClNO ₃	247.724	
ISOSORBIDE DINITRATE Therap cat: anti-anginal	C ₆ H ₈ N ₂ O ₈	236.1393	

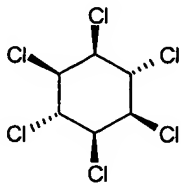
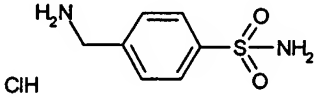
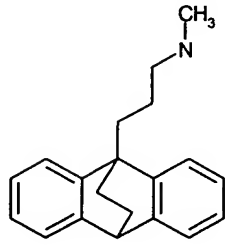
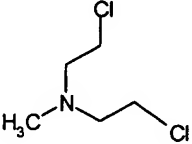
Stavrovskaya Supplemental Table 1

<p>ISOXSUPRINE HYDROCHLORIDE Therap cat: Vasodilator</p>	<p>C₁₈H₂₄ClNO₃</p>	<p>337.8499</p>	
<p>KANAMYCIN SULFATE Therap cat: Antibacterial</p>	<p>C₁₈H₃₈N₄O₁₅S</p>	<p>582.5854</p>	
<p>KETAMINE HYDROCHLORIDE Therap cat: Anesthetic (intravenous)</p>	<p>C₁₃H₁₇Cl₂NO</p>	<p>274.1925</p>	
<p>KETOCONAZOLE Therap cat: Antifungal</p>	<p>C₂₆H₂₈Cl₂N₄O₄</p>	<p>531.4435</p>	

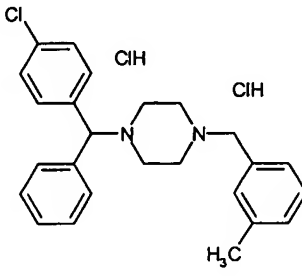
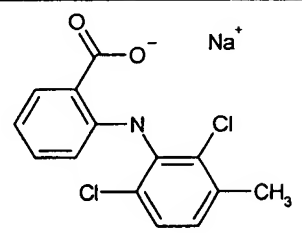
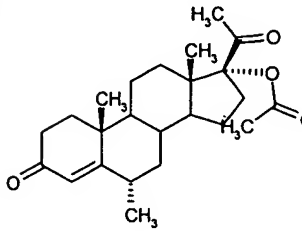
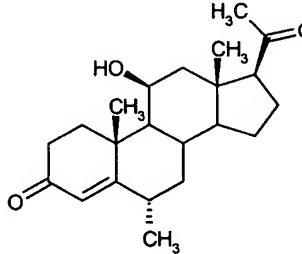
StavrovskayaSupplemental Table 1

<p>LACTULOSE Therap cat: Laxative</p>	<p>C₁₂H₂₂O₁₁</p>	<p>342.3025</p>	
<p>LEUCOVORIN CALCIUM Therap cat: Anti-anemic (folate deficiency); antidote to folic acid antagonists</p>	<p>C₂₀H₂₁CaN₇O₇</p>	<p>511.5131</p>	
<p>LEVONORDEFIN Therap cat: Vasoconstrictor</p>	<p>C₉H₁₃NO₃</p>	<p>183.2089</p>	
<p>LINCOMYCIN HYDROCHLORIDE Therap cat: antibacterial</p>	<p>C₁₈H₃₅ClN₂O₆S</p>	<p>443.0065</p>	

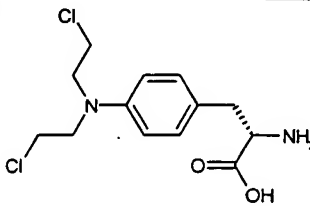
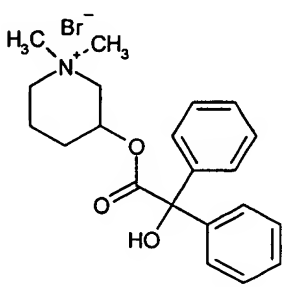
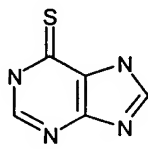
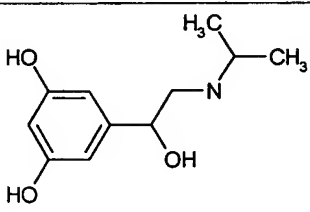
StavrovskayaSupplemental Table 1

<p>LINDANE Therap cat: Pediculicide; scabicide</p>	<p>C₆H₆Cl₆</p>	<p>290.8327</p>	
<p>MAFENIDE HYDROCHLORIDE Therap cat: Antibacterial</p>	<p>C₇H₁₁ClN₂O₂S</p>	<p>222.6949</p>	
<p>MAPROTILINE HYDROCHLORIDE Therap cat: antidepressant</p>	<p>C₂₀H₂₄ClN</p>	<p>313.874</p>	
<p>MECHLORETHAMINE Therap cat: antineoplastic; tetratogen alkylating agent: crosslinks DNA</p>	<p>C₅H₁₁Cl₂N</p>	<p>156.0561</p>	

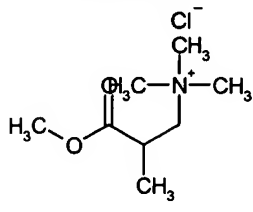
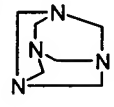
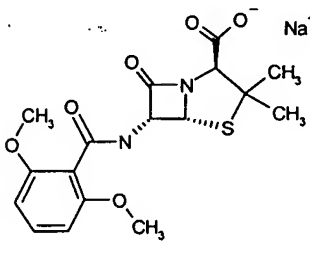
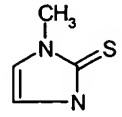
StavrovskayaSupplemental Table 1

MECLIZINE HYDROCHLORIDE Therap cat: antiemetic	C₂₅H₂₉Cl₃N₂	463.8823	
SODIUM MECLOFENAMATE Therap cat: Anti-inflammatory; antipyretic	C₁₄H₁₀Cl₂NNaO₂	318.1371	
MEDROXYPROGESTERONE ACETATE Therap cat: Injectable contraceptive; palliative treatment of breast and endometrial carcinoma	C₂₄H₃₄O₄	386.5362	
MEDRYSONE Therap cat: Glucocorticoid	C₂₂H₃₂O₃	344.4985	

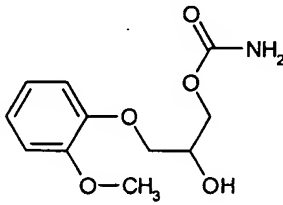
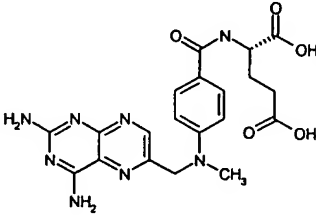
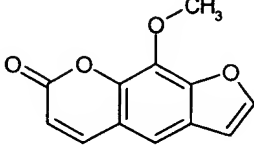
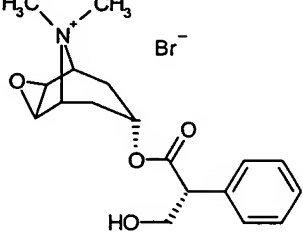
StavrovskayaSupplemental Table 1

MELPHALAN Therap cat: Antineoplastic; tetratogen alkylating agent: crosslinks DNA	C13H18Cl2N2O2	305.2066	
MEPENZOLATE BROMIDE Therap cat: Anticholinergic	C21H26BrNO3	420.3503	
MERCAPTOPURINE Therap cat: Antineoplastic purine antimetabolite: inhibits nucleic acid replication	C5H4N4S	152.1784	
METAPROTERENOL Therap cat: Bronchodilator	C11H17NO3	211.263	

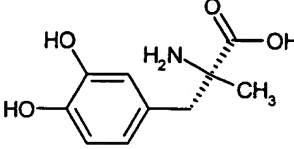
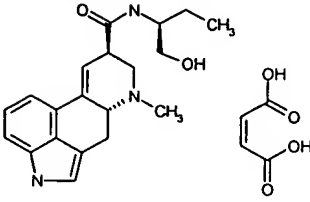
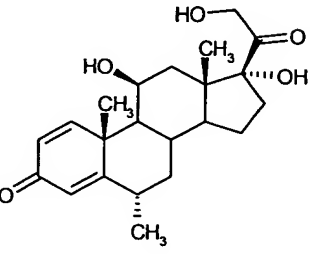
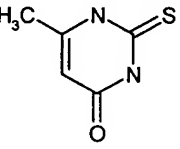
StavrovskayaSupplemental Table 1

<p>METHACHOLINE CHLORIDE</p> <p>Therap cat: Cholinergic; diagnostic aid (bronchial asthma)</p>	<p>C₈H₁₈ClNO₂</p>	<p>195.6912</p>	
<p>METHENAMINE</p> <p>Therap cat: Antibacterial (urinary)</p>	<p>C₆H₁₂N₄</p>	<p>140.1893</p>	
<p>METHICILLIN SODIUM</p> <p>Therap cat: antibacterial</p>	<p>C₁₇H₁₉N₂NaO₆S</p>	<p>402.4046</p>	
<p>METHIMAZOLE</p> <p>Therap cat: Antihyperthyroid</p>	<p>C₄H₆N₂S</p>	<p>114.1698</p>	

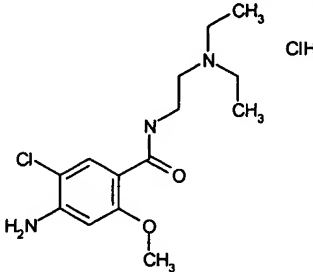
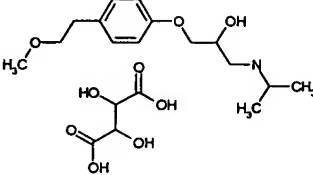
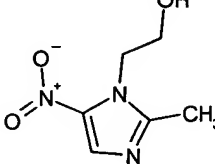
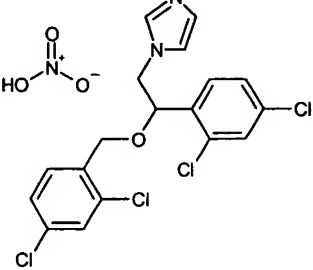
StavrovskayaSupplemental Table 1

<p>METHOCARBAMOL Therap cat: Skeletal muscle relaxant</p>	<p>C₁₁H₁₅NO₅</p>	<p>241.2459</p>	
<p>METHOTREXATE Therap cat: Antineoplastic; antirheumatic folic acid antagonist</p>	<p>C₂₀H₂₂N₈O₅</p>	<p>454.4489</p>	
<p>METHOXSALEN Therap cat: antipsoriatic, pigmentation agent</p>	<p>C₁₂H₈O₄</p>	<p>216.1952</p>	
<p>METHSCOPOLAMINE BROMIDE Therap cat: anticholinergic</p>	<p>C₁₈H₂₄BrNO₄</p>	<p>398.3003</p>	

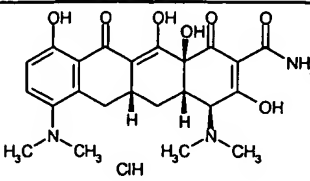
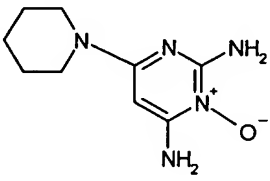
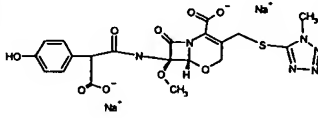
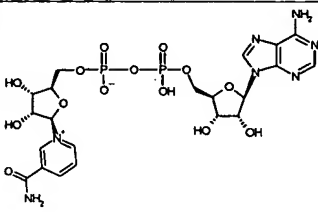
StavrovskayaSupplemental Table 1

METHYLDOPA Therap cat: Antihypertensive	C ₁₀ H ₁₃ NO ₄	211.2194	
METHYLERGONOVINE MALEATE Therap cat: oxytocic	C ₂₄ H ₂₉ N ₃ O ₆	455.5152	
METHYLPREDNISOLONE Therap cat: Glucocorticoid	C ₂₂ H ₃₀ O ₅	374.4814	
METHYLTHIOURACIL Therap cat: Antithyroid agent	C ₅ H ₆ N ₂ OS	142.1804	

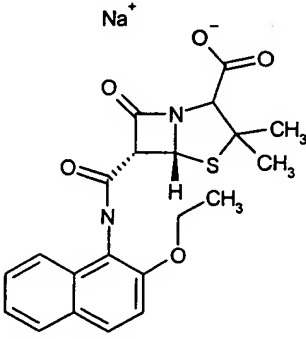
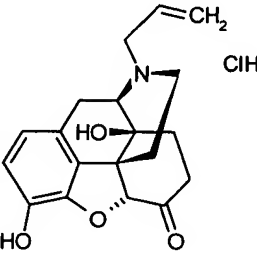
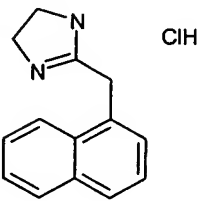
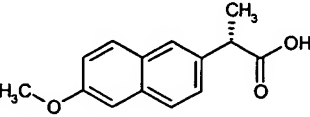
Stavrovskaya Supplemental Table 1

<p>METOCLOPRAMIDE HYDROCHLORIDE Therap cat: anti-emetic</p>	<p>C₁₄H₂₃Cl₂N₃O₂</p>	<p>336.2643</p>	
<p>METOPROLOL TARTRATE Therap cat: Antihypertensive; anti- anginal; treatment of myocardial infarction</p>	<p>C₁₉H₃₁NO₉</p>	<p>417.4602</p>	
<p>METRONIDAZOLE Therap cat: Antiprotozoal (Trichomonas)</p>	<p>C₆H₉N₃O₃</p>	<p>171.1569</p>	
<p>MICONAZOLE NITRATE Therap cat: Topical antifungal</p>	<p>C₁₈H₁₅Cl₄N₃O₄</p>	<p>479.15</p>	

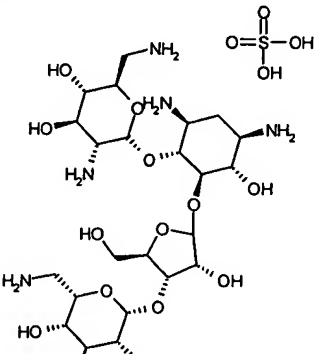
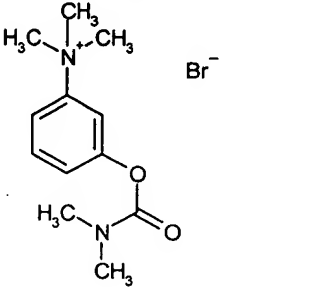
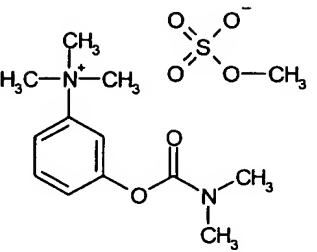
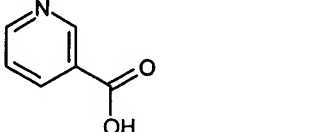
StavrovskayaSupplemental Table 1

MINOCYCLINE HYDROCHLORIDE Therap cat: Antibacterial	C₂₃H₂₈ClN₃O₇	493.9485	
MINOXIDIL Therap cat: Antihypertensive; antialopecia agent	C₉H₁₅N₅O	209.2528	
MOXALACTAM DISODIUM Therap cat: Antibacterial	C₂₀H₁₈N₆Na₂O₉ S	564.4449	
NADIDE Therap cat: Alcohol and narcotic antagonist	C₂₁H₂₇N₇O₁₄P₂	663.4354	

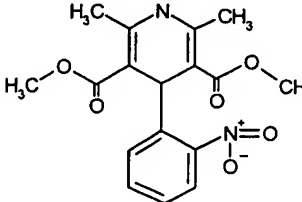
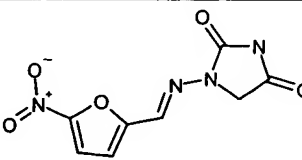
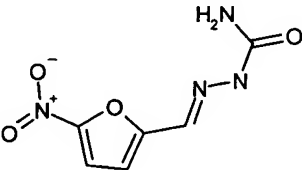
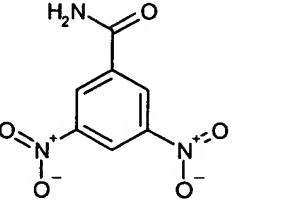
StavrovskayaSupplemental Table 1

NAFCILLIN SODIUM Therap cat: Antibacterial	C₂₁H₂₁N₂NaO₅S	436.4657	
NALOXONE HYDROCHLORIDE Therap cat: Narcotic antagonist	C₁₉H₂₂ClNO₄	363.8445	
NAPHAZOLINE HYDROCHLORIDE Therap cat: adrenergic (vasoconstrictor); decongestant	C₁₄H₁₅ClN₂	246.7421	
(+)-NAPROXEN Therap cat: Anti-inflammatory; analgesic; antipyretic	C₁₄H₁₄O₃	230.2659	

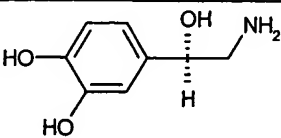
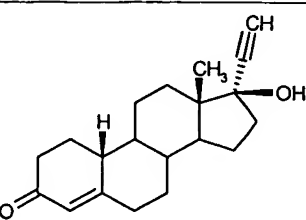
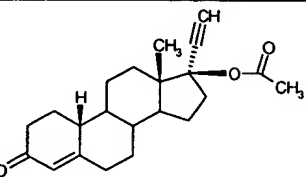
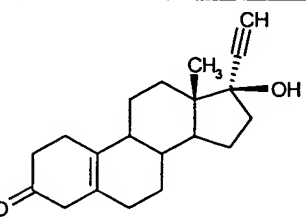
StavrovskayaSupplemental Table 1

NEOMYCIN SULFATE Therap cat: Antibacterial	C₂₃H₄₈N₆O₁₇S	712.733	
NEOSTIGMINE BROMIDE Therap cat: cholinergic	C₁₂H₁₉BrN₂O₂	303.2014	
NEOSTIGMINE METHYLSULFATE Therap cat: cholinergic	C₁₃H₂₂N₂O₆S	334.3941	
NIACIN Therap cat: antihyperlipidemic; vitamin (enzyme co- factor)	C₆H₅NO₂	123.1123	

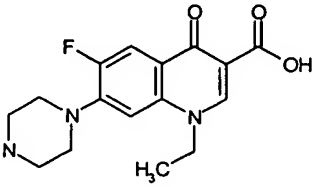
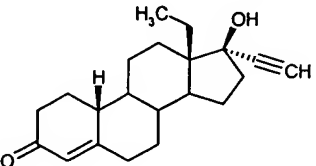
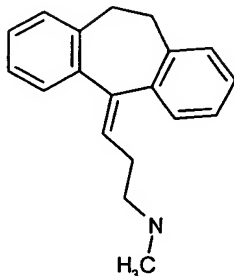
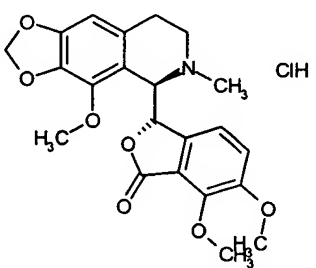
StavrovskayaSupplemental Table 1

<p>NIFEDIPINE Therap cat: Antianginal; antihypertensive</p>	<p>C₁₇H₁₈N₂O₆</p>	<p>346.3428</p>	
<p>NITROFURANTOIN Therap cat: Antibacterial</p>	<p>C₈H₆N₄O₅</p>	<p>238.1608</p>	
<p>NITROFURAZONE Therap cat: Topical anti- infective</p>	<p>C₆H₆N₄O₄</p>	<p>198.1391</p>	
<p>NITROMIDE Therap cat: Antibacterial; coccidiostat (for poultry)</p>	<p>C₇H₅N₃O₅</p>	<p>211.135</p>	

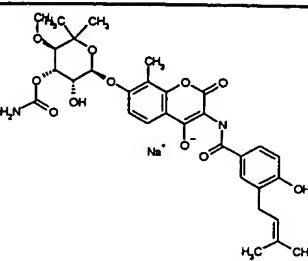
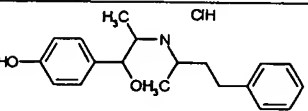
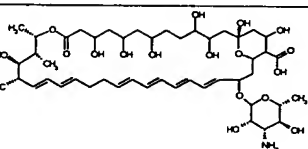
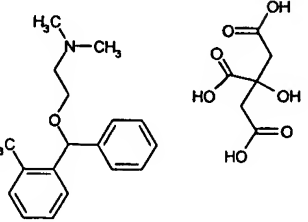
StavrovskayaSupplemental Table 1

<p>NOREPINEPHRINE Therap cat: I-Form as adrenergic (vasopressor); antihypotensive</p>	<p>C₈H₁₁NO₃</p>	<p>169.1818</p>	
<p>NORETHINDRONE Therap cat: Progestogen</p>	<p>C₂₀H₂₆O₂</p>	<p>298.429</p>	
<p>NORETHINDRONE ACETATE Therap cat: Oral contraceptive (in combination with estrogen)</p>	<p>C₂₂H₂₈O₃</p>	<p>340.4667</p>	
<p>NORETHYNODREL Therap cat: Progestogen; in combination with estrogen as oral contraceptive</p>	<p>C₂₀H₂₆O₂</p>	<p>298.429</p>	

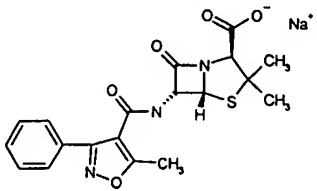
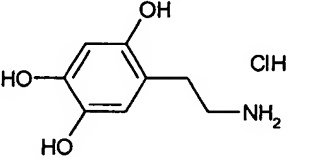
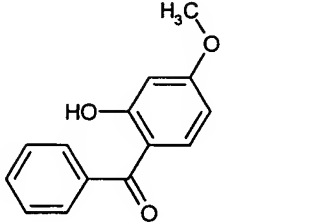
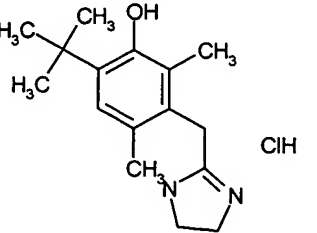
StavrovskayaSupplemental Table 1

<p>NORFLOXACIN Therap cat: Antibacterial</p>	<p>C₁₆H₁₈FN₃O₃</p>	<p>319.3386</p>	
<p>NORGESTREL Therap cat: Progestin</p>	<p>C₂₁H₂₈O₂</p>	<p>312.4561</p>	
<p>NORTRIPTYLINE Therap cat: Antidepressant</p>	<p>C₁₉H₂₁N</p>	<p>263.3859</p>	
<p>NOSCAPINE HYDROCHLORIDE Therap cat: antitussive</p>	<p>C₂₂H₂₄ClNO₇</p>	<p>449.8921</p>	

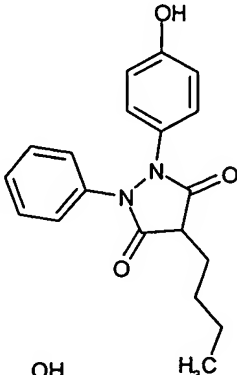
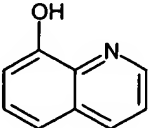
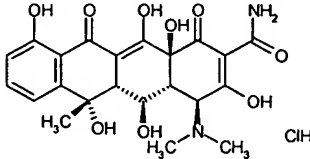
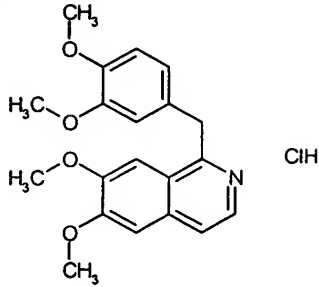
StavrovskayaSupplemental Table 1

NOVOBIOCIN SODIUM Therap cat: antibacterial	C ₃₁ H ₃₅ N ₂ NaO ₁₁	634.6212	
NYLIDRIN HYDROCHLORIDE Therap cat: vasodilator (peripheral)	C ₁₉ H ₂₆ ClNO ₂	335.8776	
NYSTATIN Therap cat: antifungal; binds to membrane sterols	C ₄₇ H ₇₅ NO ₁₇	926.1183	
ORPHENADRINE CITRATE Therap cat: Relaxant (skeletal muscle); antihistaminic	C ₂₄ H ₃₁ NO ₈	461.5166	

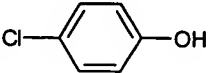
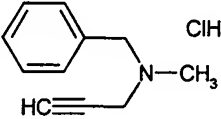
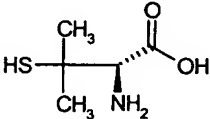
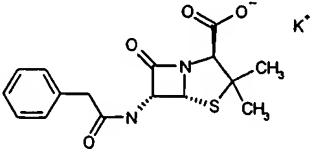
StavrovskayaSupplemental Table 1

<p>OXACILLIN SODIUM Therap cat: Antibacterial</p>	<p>C₁₉H₁₈N₃NaO₅S</p>	<p>423.4262</p>	
<p>OXIDOPAMINE HYDROCHLORIDE Therap cat: ophthalmic adrenergic</p>	<p>C₈H₁₂ClNO₃</p>	<p>205.6427</p>	
<p>OXYBENZONE Therap cat: Ultraviolet screen</p>	<p>C₁₄H₁₂O₃</p>	<p>228.2499</p>	
<p>OXYMETAZOLINE HYDROCHLORIDE Therap cat: adrenergic (vasoconstrictor); nasal decongestant</p>	<p>C₁₆H₂₅ClN₂O</p>	<p>296.8435</p>	

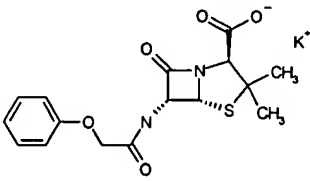
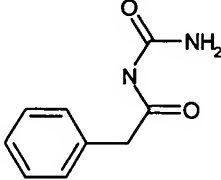
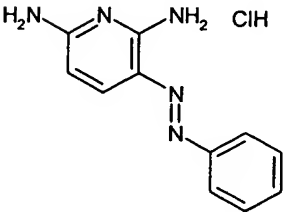
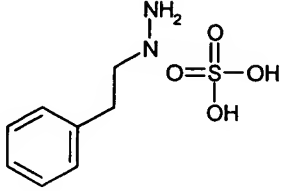
StavrovskayaSupplemental Table 1

<p>OXYPHENBUTAZONE</p> <p>Therap cat: Anti-inflammatory</p>	<p>C₁₉H₂₀N₂O₃</p>	<p>324.3829</p>	
<p>OXYQUINOLINE</p> <p>Therap cat: Disinfectant</p>	<p>C₉H₇NO</p>	<p>145.1622</p>	
<p>OXYTETRACYCLINE</p> <p>Therap cat: Antibacterial</p>	<p>C₂₂H₂₅ClN₂O₉</p>	<p>496.9056</p>	
<p>PAPAVERINE HYDROCHLORIDE</p> <p>Therap cat: smooth muscle relaxant; cerebral vasodilator</p>	<p>C₂₀H₂₂ClNO₄</p>	<p>375.8556</p>	

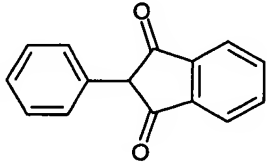
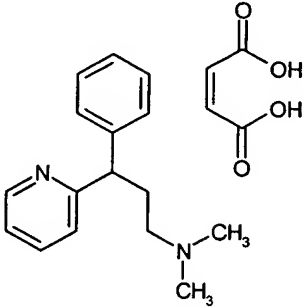
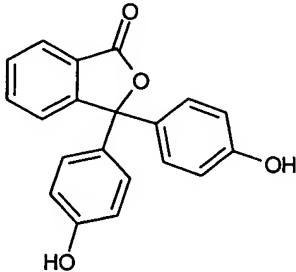
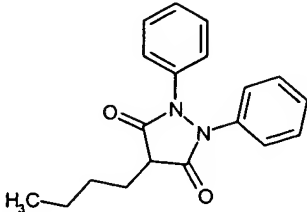
StavrovskayaSupplemental Table 1

PARACHLOROPHENOL Therap cat: topical antibacterial	C ₆ H ₅ ClO	128.5592	
PARGYLINE HYDROCHLORIDE Therap cat: antihypertensive	C ₁₁ H ₁₄ ClN	195.6939	
PENICILLAMINE Therap cat: Chelating agent (copper) ub Wilson's disease; antirheumatic	C ₅ H ₁₁ NO ₂ S	149.2129	
PENICILLIN G POTASSIUM Therap cat: Antibacterial	C ₁₆ H ₁₇ KN ₂ O ₄ S	372.4909	

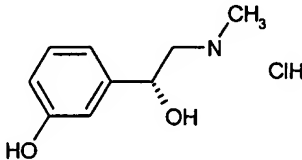
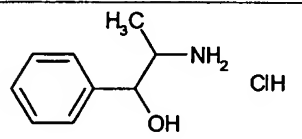
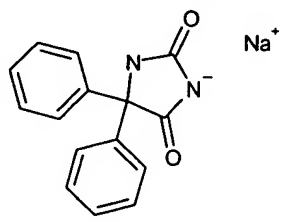
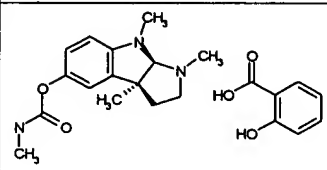
StavrovskayaSupplemental Table 1

<p>PENICILLIN V POTASSIUM Therap cat: antibacterial</p>	<p>C₁₆H₁₇KN₂O₅S</p>	<p>388.4903</p>	
<p>PHENACEMIDE Therap cat: Anticonvulsant</p>	<p>C₉H₁₀N₂O₂</p>	<p>178.1923</p>	
<p>PHENAZOPYRIDINE HYDROCHLORIDE Therap cat: analgesic (urinary tract)</p>	<p>C₁₁H₁₂ClN₅</p>	<p>249.7048</p>	
<p>PHENELZINE SULFATE Therap cat: Antidepressant</p>	<p>C₈H₁₄N₂O₄S</p>	<p>234.2758</p>	

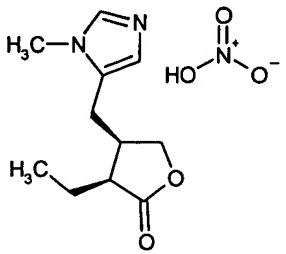
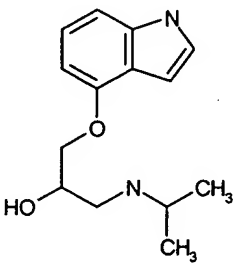
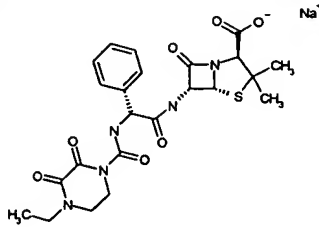
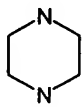
StavrovskayaSupplemental Table 1

PHENINDIONE Therap cat: Anticoagulant	C ₁₅ H ₁₀ O ₂	222.2458	
PHENIRAMINE MALEATE Therap cat: Antihistaminic	C ₂₀ H ₂₄ N ₂ O ₄	356.4253	
PHENOLPHTHALEIN Therap cat: Cathartic	C ₂₀ H ₁₄ O ₄	318.3322	
PHENYLBUTAZONE Therap cat: Anti-inflammatory	C ₁₉ H ₂₀ N ₂ O ₂	308.3835	

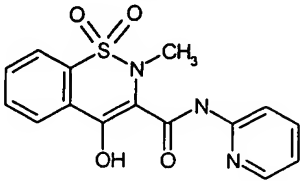
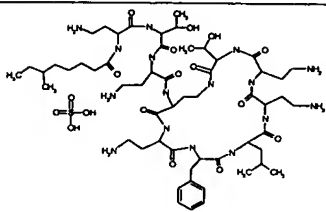
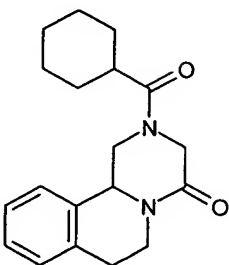
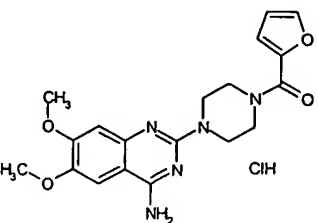
StavrovskayaSupplemental Table 1

<p>PHENYLEPHRINE HYDROCHLORIDE Therap cat: mydriatic; decongestant</p>	<p>C₉H₁₄ClNO₂</p>	<p>203.6704</p>	
<p>PHENYLPROPANOLAMINE HYDROCHLORIDE Therap cat: decongestant; anorexic</p>	<p>C₉H₁₄ClNO</p>	<p>187.671</p>	
<p>PHENYTOIN SODIUM Therap cat: Anticonvulsant; anti- epileptic</p>	<p>C₁₅H₁₁N₂NaO₂</p>	<p>274.2569</p>	
<p>PHYSOSTIGMINE SALICYLATE Therap cat: Cholinergic (anticholinesterase); miotic</p>	<p>C₂₂H₂₇N₃O₅</p>	<p>413.4776</p>	

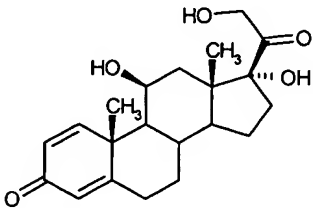
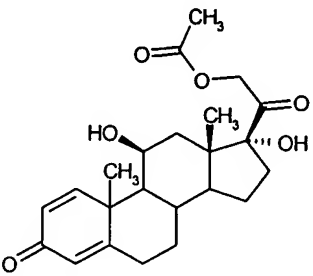
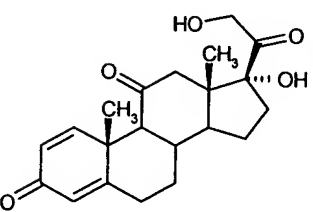
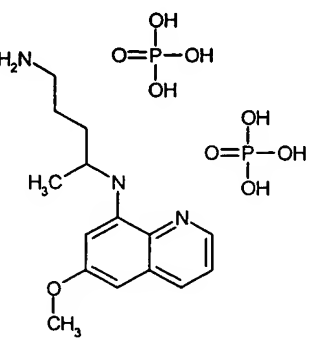
StavrovskayaSupplemental Table 1

PILOCARPINE NITRATE Therap cat: Antiglaucoma agent; miotic	C11H17N3O5	271.2752	
PINDOLOL Therap cat: Antihypertensive; antianginal; antiarrhythmic; antiglaucoma agent	C14H20N2O2	248.3277	
PIPERACILLIN SODIUM Therap cat: antibacterial	C23H26N5NaO7S	539.5468	
PIPERAZINE Therap cat: anthelmintic (Nematodes)	C4H10N2	86.1377	

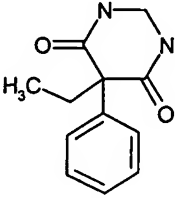
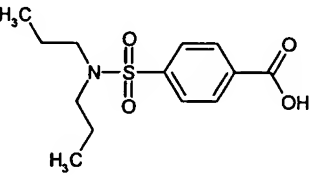
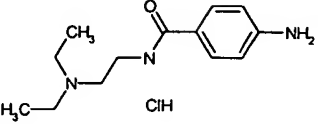
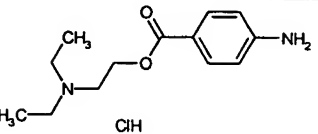
StavrovskayaSupplemental Table 1

PIROXICAM Therap cat: antiinflammatory	C15H13N3O4S	331.3526	
POLYMYXIN B SULFATE Therap cat: antibacterial	C56H100N16O17S	1301.582	
PRAZIQUANTEL Therap cat: anthelmintic (Schistosoma)	C19H24N2O2	312.4153	
PRAZOSIN HYDROCHLORIDE Therap cat: antihypertensive	C19H22ClN5O4	419.8713	

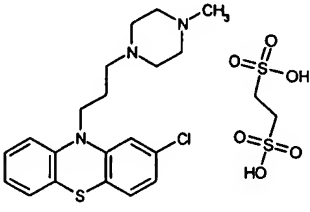
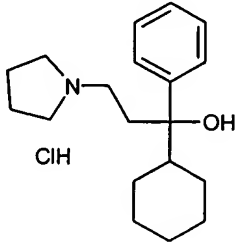
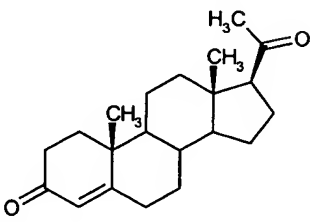
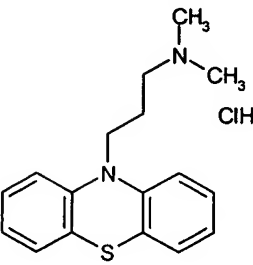
StavrovskayaSupplemental Table 1

<p>PREDNISOLONE Therap cat: Glucocorticoid</p>	<p>C21H28O5</p>	<p>360.4543</p>	
<p>PREDNISOLONE ACETATE Therap cat: Glucocorticoid</p>	<p>C23H30O6</p>	<p>402.492</p>	
<p>PREDNISONE Therap cat: Glucocorticoid</p>	<p>C21H26O5</p>	<p>358.4384</p>	
<p>PRIMAQUINE DIPHOSPHATE Therap cat: antimalarial</p>	<p>C15H27N3O9P2</p>	<p>455.3447</p>	

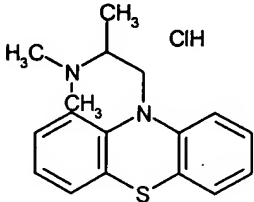
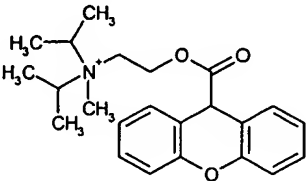
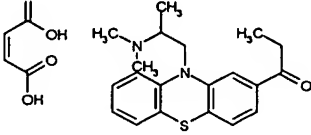
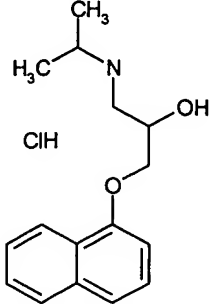
StavrovskayaSupplemental Table 1

PRIMIDONE Therap cat: Anticonvulsant	C₁₂H₁₄N₂O₂	218.2576	
PROBENECID Therap cat: Uricosuric	C₁₃H₁₉NO₄S	285.3647	
PROCAINAMIDE HYDROCHLORIDE Therap cat: cardiac depressant (antiarrhythmic)	C₁₃H₂₂ClN₃O	271.7928	
PROCAINE HYDROCHLORIDE Therap cat: local anesthetic	C₁₃H₂₁ClN₂O₂	272.7775	

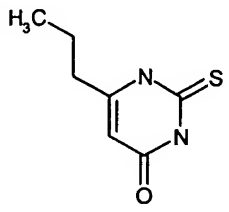
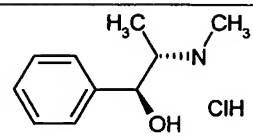
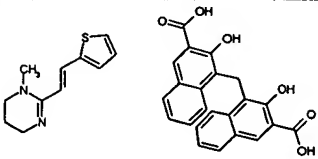

StavrovskayaSupplemental Table 1

<p>PROCHLORPERAZINE EDISYLATE</p> <p>Therap cat: anti-emetic; antipsychotic; treatment of vertigo</p>	<p>C₂₂H₃₀ClN₃O₆S 3</p>	<p>564.1459</p>	
<p>PROCYCLIDINE HYDROCHLORIDE</p> <p>Therap cat: anticholinergic</p>	<p>C₁₉H₃₀ClNO</p>	<p>323.9101</p>	
<p>PROGESTERONE</p> <p>Therap cat: Progestogen</p>	<p>C₂₁H₃₀O₂</p>	<p>314.4721</p>	
<p>PROMAZINE HYDROCHLORIDE</p> <p>Therap cat: antipsychotic</p>	<p>C₁₇H₂₁ClN₂S</p>	<p>320.8873</p>	

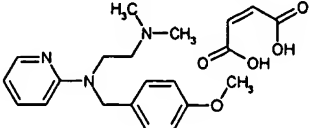
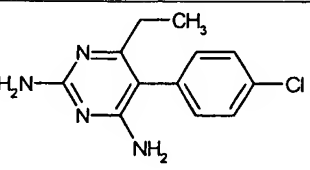
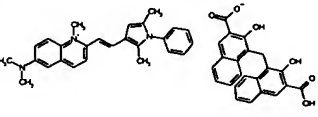
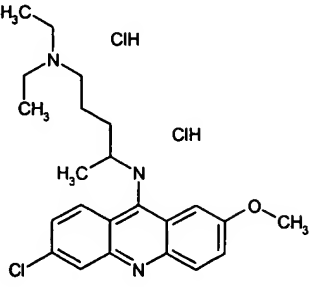
StavrovskayaSupplemental Table 1

<p>PROMETHAZINE HYDROCHLORIDE Therap cat: antihistaminic</p>	<p>C₁₇H₂₁ClN₂S</p>	<p>320.8873</p>	
<p>PROPANTHELINE BROMIDE Therap cat: Anticholinergic</p>	<p>C₂₃H₃₀BrNO₃</p>	<p>448.4045</p>	
<p>PROPIOMAZINE MALEATE Therap cat: sedative; hypnotic</p>	<p>C₂₄H₂₈N₂O₅S</p>	<p>456.5652</p>	
<p>PROPRANOLOL HYDROCHLORIDE Therap cat: antihypertensive; antianginal; antiarrhythmic</p>	<p>C₁₆H₂₂ClNO₂</p>	<p>295.8122</p>	

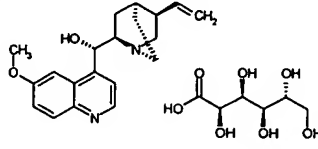
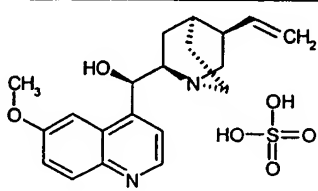
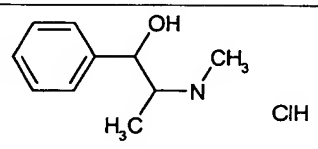
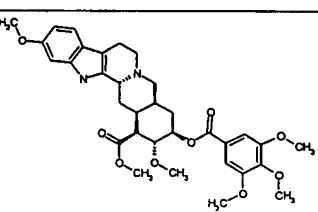
StavrovskayaSupplemental Table 1

PROPYLTHIOURACIL Therap cat: Antihyperthyroid	C7H10N2OS	170.2346	
PSEUDOEPHEDRINE HYDROCHLORIDE Therap cat: decongestant	C10H16ClNO	201.6981	
PYRANTEL PAMOATE Therap cat: Anthelmintic (Nematodes)	C34H30N2O6S	594.692	
PYRAZINAMIDE Therap cat: Antibacterial (tuberculostatic)	C5H5N3O	123.1151	

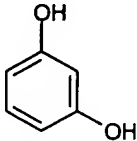
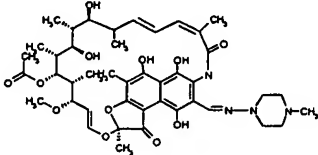
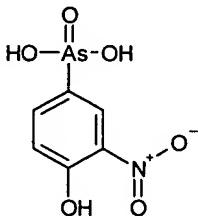
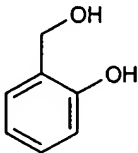
StavrovskayaSupplemental Table 1

<p>PYRILAMINE MALEATE</p> <p>Therap cat: Antihistaminic</p>	<p>C₂₁H₂₇N₃O₅</p>	<p>401.4664</p>	
<p>PYRIMETHAMINE</p> <p>Therap cat: Antimalarial</p>	<p>C₁₂H₁₃ClN₄</p>	<p>248.7172</p>	
<p>PYRVINIUM PAMOATE</p> <p>Therap cat: Anthelmintic (Nematodes)</p>	<p>C₄₉H₄₃N₃O₆</p>	<p>769.9056</p>	
<p>QUINACRINE HYDROCHLORIDE</p> <p>Therap cat: anthelmintic; antimalarial intercalating agent</p>	<p>C₂₃H₃₂Cl₃N₃O</p>	<p>472.89</p>	

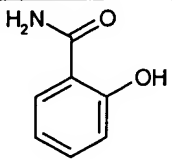
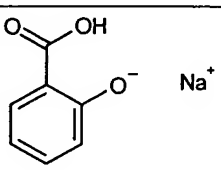
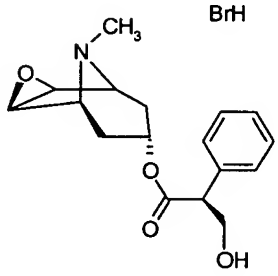
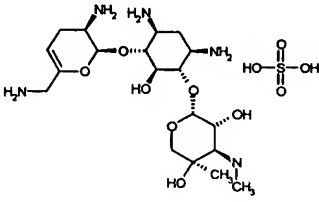
StavrovskayaSupplemental Table 1

<p>QUINIDINE GLUCONATE Therap cat: cardiac depressant (anti- arrhythmic)</p>	<p>C₂₆H₃₆N₂O₉</p>	<p>520.5848</p>	
<p>QUININE SULFATE Therap cat: antimalarial; muscle relaxant (skeletal)</p>	<p>C₂₀H₂₆N₂O₆S</p>	<p>422.504</p>	
<p>RACEPHEDRINE HYDROCHLORIDE Therap cat: bronchodilator; decongestant</p>	<p>C₁₀H₁₆ClNO</p>	<p>201.6981</p>	
<p>RESERPINE Therap cat: Antihypertensive</p>	<p>C₃₃H₄₀N₂O₉</p>	<p>608.6948</p>	

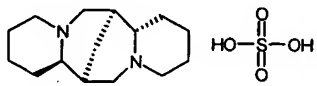
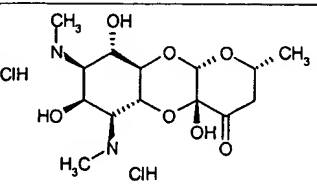
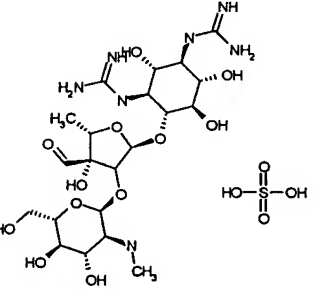
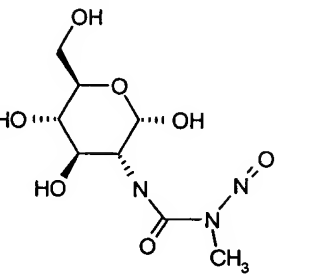
StavrovskayaSupplemental Table 1

RESORCINOL Therap cat: keratolytic; antiseborheic	C ₆ H ₆ O ₂	110.1135	
RIFAMPIN Therap cat: Antibacterial (tuberculostatic)	C ₄₃ H ₅₈ N ₄ O ₁₂	822.9613	
ROXARSONE Therap cat: antibacterial	C ₆ H ₆ AsNO ₆	263.0394	
SALICYL ALCOHOL Therap cat: Local anesthetic	C ₇ H ₈ O ₂	124.1406	

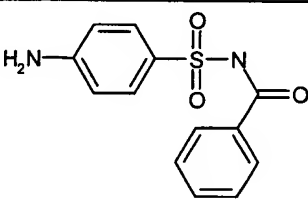
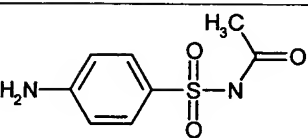
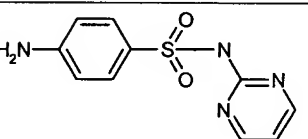
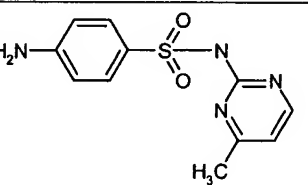
StavrovskayaSupplemental Table 1

SALICYLAMIDE Therap cat: Analgesic	C7H7NO2	137.1393	
SODIUM SALICYLATE Therap cat: topical keratolytic	C7H5NaO3	160.1059	
SCOPOLAMINE HYDROBROMIDE Therap cat: anticholinergic; treatment of motion sickness	C17H22BrNO4	384.2732	
SISOMICIN SULFATE Therap cat: antibacterial; binds to ribosomes	C19H39N5O11S	545.6136	

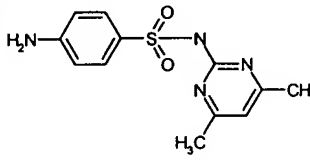
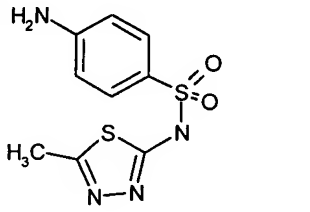
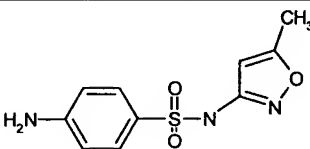
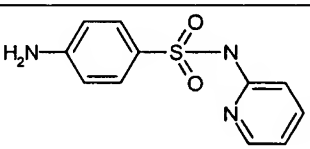
StavrovskayaSupplemental Table 1

SPARTEINE SULFATE Therap cat: oxytotic	C15H28N2O4S	332.4654	
ACTINOSPECTACIN Therap cat: antibacterial	C14H26Cl2N2O7	405.2785	
STREPTOMYCIN SULFATE Therap cat: antibacterial (tuberculostatic)	C21H41N7O16S	679.6622	
STREPTOZOSIN Therap cat: Antineoplastic alkylating agent binds to DNA	C8H15N3O7	265.2247	

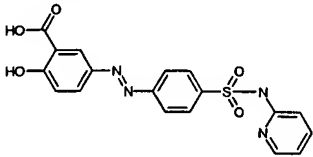
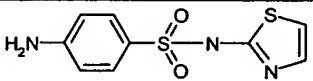
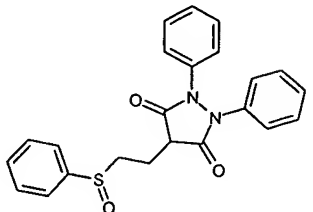
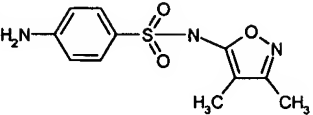
StavrovskayaSupplemental Table 1

SULFABENZAMIDE Therap cat: Antibacterial	C13H12N2O3S	276.3162	 <chem>NC(=O)N(S(=O)(=O)c1ccc(N)cc1)c2ccccc2</chem>
SULFACETAMIDE Therap cat: Antibacterial	C8H10N2O3S	214.2445	 <chem>CC(=O)N(S(=O)(=O)c1ccc(N)cc1)</chem>
SULFADIAZINE Therap cat: Antibacterial	C10H10N4O2S	250.2808	 <chem>c1ccncc1N(S(=O)(=O)c2ccc(N)cc2)</chem>
SULFAMERAZINE Therap cat: Antibacterial	C11H12N4O2S	264.3079	 <chem>Cc1ccncc1N(S(=O)(=O)c2ccc(N)cc2)</chem>

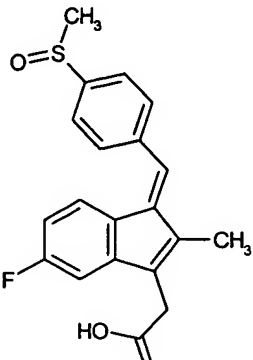
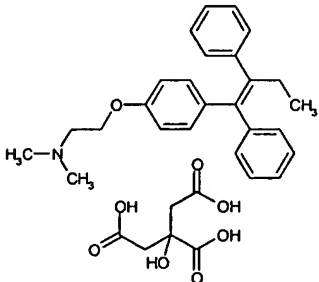
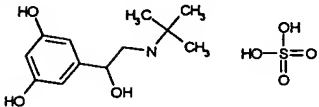
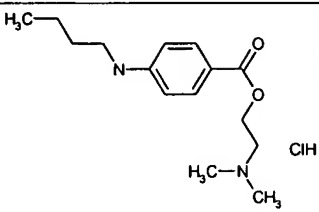
StavrovskayaSupplemental Table 1

SULFAMETHAZINE Therap cat: Antibacterial	C ₁₂ H ₁₄ N ₄ O ₂ S	278.335	
SULFAMETHIZOLE Therap cat: Antibacterial	C ₉ H ₁₀ N ₄ O ₂ S ₂	270.3337	
SULFAMETHOXAZOLE Therap cat: Antibacterial; antipneumocystis	C ₁₀ H ₁₁ N ₃ O ₃ S	253.2815	
SULFAPYRIDINE Therap cat: Suppressant (dermatitis herpetiformis); antibacterial	C ₁₁ H ₁₁ N ₃ O ₂ S	249.2932	

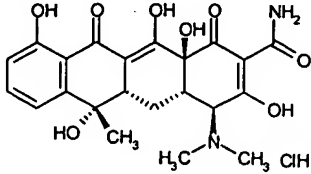
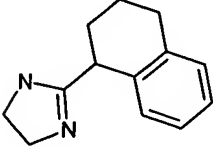
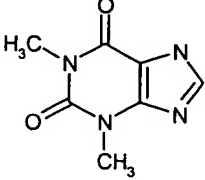
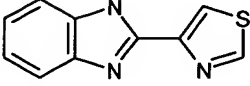
StavrovskayaSupplemental Table 1

<p>SULFASALAZINE Therap cat: Treatment of ulcerative colitis and Crohn's disease</p>	<p>C18H14N4O5S</p>	<p>398.4001</p>	
<p>SULFATHIAZOLE Therap cat: Antibacterial</p>	<p>C9H9N3O2S2</p>	<p>255.319</p>	
<p>SULFINPYRAZONE Therap cat: Uricosuric</p>	<p>C23H20N2O3S</p>	<p>404.4915</p>	
<p>SULFISOXAZOLE Therap cat: Antibacterial</p>	<p>C11H13N3O3S</p>	<p>267.3086</p>	

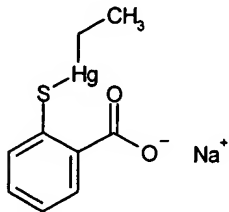
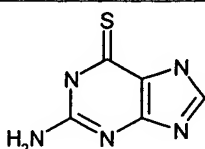
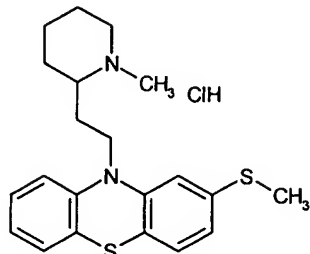
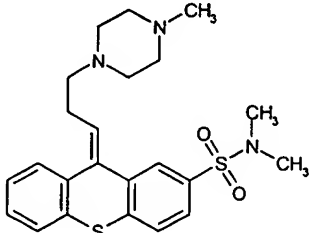
StavrovskayaSupplemental Table 1

<p>SULINDAC Therap cat: Anti-inflammatory</p>	<p>C20H17FO3S</p>	<p>356.4191</p>	
<p>TAMOXIFEN CITRATE Therap cat: estrogen antagonist, anticancer</p>	<p>C32H37NO8</p>	<p>563.6536</p>	
<p>TERBUTALINE HEMISULFATE Therap cat: beta-adrenergic agonist, bronchodilator</p>	<p>C12H21NO7S</p>	<p>323.3677</p>	
<p>TETRACAINE HYDROCHLORIDE Therap cat: local anesthetic</p>	<p>C15H25ClN2O2</p>	<p>300.8317</p>	

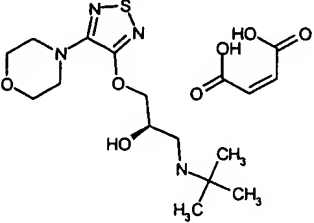
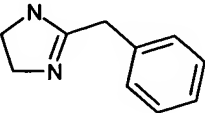
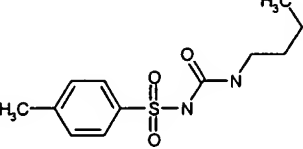
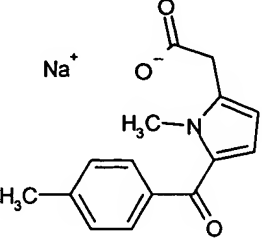
StavrovskayaSupplemental Table 1

<p>TETRACYCLINE HYDROCHLORIDE Therap cat: anti-amebic; antibacterial; antirickettsial</p>	<p>C₂₂H₂₅ClN₂O₈</p>	<p>480.9062</p>	 <p>The structure shows a tetracycline molecule with a dimethylammonium group (N(CH₃)₂⁺ Cl⁻) and multiple hydroxyl and ketone groups on the tetracyclic core.</p>
<p>TETRAHYDROZOLINE HYDROCHLORIDE Therap cat: adrenergic (vasoconstrictor); nasal decongestant</p>	<p>C₁₃H₁₇ClN₂</p>	<p>236.7468</p>	<p>ClH</p>  <p>The structure shows a tetrahydrozoline molecule, which is a benzazepine derivative, with a hydrochloride counterion (ClH).</p>
<p>THEOPHYLLINE Therap cat: Bronchodilator</p>	<p>C₇H₈N₄O₂</p>	<p>180.1674</p>	 <p>The structure shows theophylline, a 1,3-dimethylxanthine derivative, consisting of a fused pyrimidine-imidazole ring system with two methyl groups on the nitrogen atoms.</p>
<p>THIABENDAZOLE Therap cat: Anthelmintic (Nematodes)</p>	<p>C₁₀H₇N₃S</p>	<p>201.2514</p>	 <p>The structure shows thiabendazole, which consists of a benzimidazole ring system linked to a thiazole ring.</p>

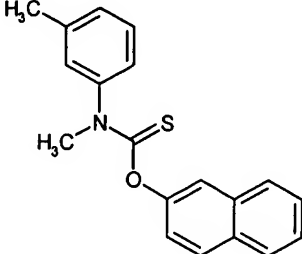
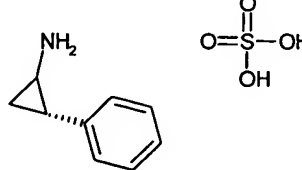
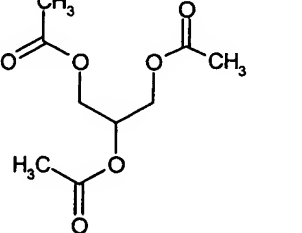
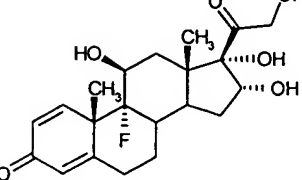
StavrovskayaSupplemental Table 1

THIMEROSAL Therap cat: Anti-infective, preservative	C ₉ H ₉ HgNaO ₂ S	404.8147	
THIOGUANINE Therap cat: Antineoplastic purine antimetabolite: antimetabolite: inhibits nucleic acid replication	C ₅ H ₅ N ₅ S	167.1931	
THIORIDAZINE HYDROCHLORIDE Therap cat: antipsychotic	C ₂₁ H ₂₇ ClN ₂ S ₂	407.0437	
THIOTHIXENE Therap cat: Antipsychotic	C ₂₃ H ₂₉ N ₃ O ₂ S ₂	443.6345	

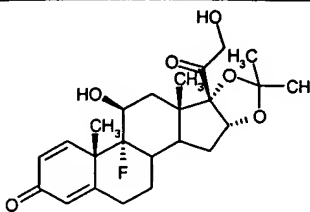
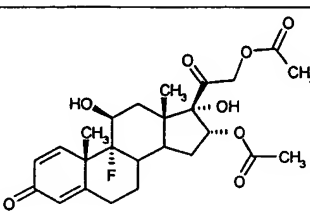
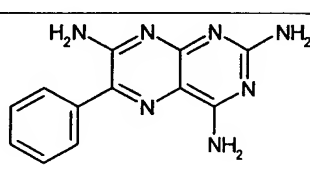
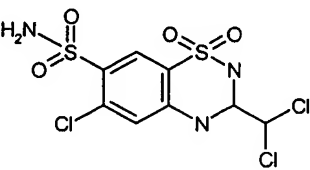
StavrovskayaSupplemental Table 1

TIMOLOL MALEATE Therap cat: beta-adrenergic blocker	C17H28N4O7S	432.4993	
TOLAZOLINE HYDROCHLORIDE Therap cat: anti-adrenergic	C10H13ClN2	196.6815	ClH 
TOLBUTAMIDE Therap cat: Antidiabetic agent	C12H18N2O3S	270.3529	
TOLMETIN SODIUM Therap cat: anti-inflammatory	C15H14NNaO3	279.2735	

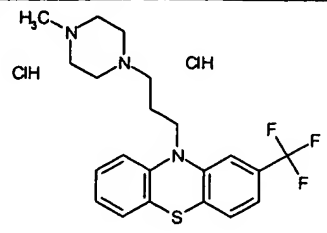
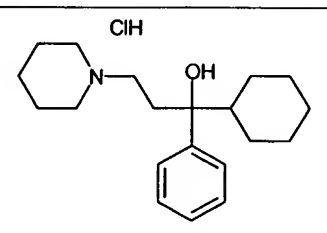
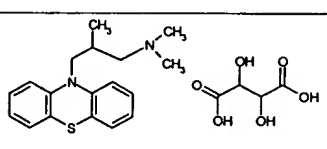
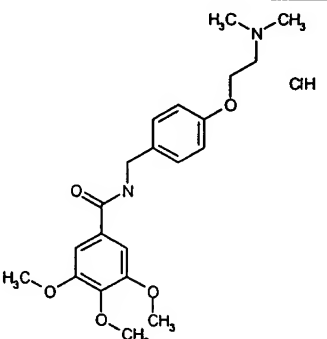
StavrovskayaSupplemental Table 1

<p>TOLNAFTATE Therap cat: antifungal</p>	<p>C₁₉H₁₇NOS</p>	<p>307.4174</p>	
<p>TRANLYCYPROMINE SULFATE Therap cat: antidepressant</p>	<p>C₉H₁₃NO₄S</p>	<p>231.2723</p>	
<p>TRIACETIN Therap cat: topical antifungal</p>	<p>C₉H₁₄O₆</p>	<p>218.2083</p>	
<p>TRIAMCINOLONE Therap cat: Glucocorticoid</p>	<p>C₂₁H₂₇FO₆</p>	<p>394.4441</p>	

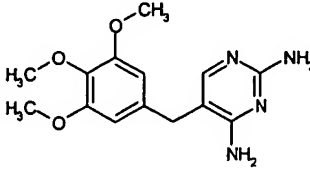
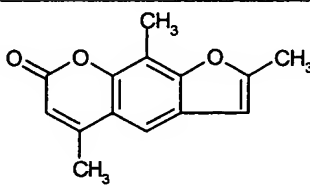
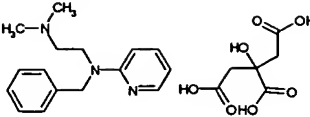
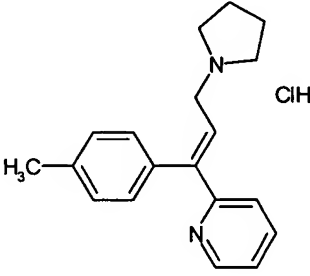
StavrovskayaSupplemental Table 1

<p>TRIAMCINOLONE ACETONIDE Therap cat: antiinflammation</p>	C24H31FO6	434.5095	
<p>TRIAMCINOLONE DIACETATE Therap cat: antiinflammation</p>	C25H31FO8	478.5194	
<p>TRIAMTERENE Therap cat: Diuretic</p>	C12H11N7	253.2684	
<p>TRICHLORMETHIAZID E Therap cat: Diuretic; antihypertensive</p>	C8H8Cl3N3O4S2	380.6577	

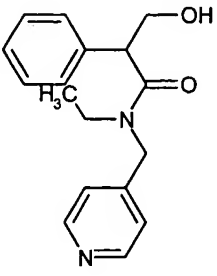
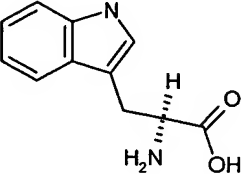
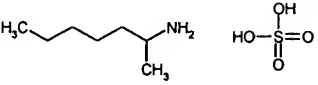
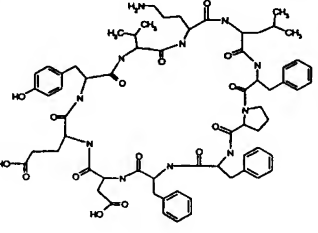
StavrovskayaSupplemental Table 1

TRIFLUOPERAZINE HYDROCHLORIDE Therap cat: antipsychotic	C ₂₁ H ₂₆ Cl ₂ F ₃ N ₃ S	480.4267	
TRIHXYPHENIDYL HYDROCHLORIDE Therap cat: anticholinergic; antiparkinsonian	C ₂₀ H ₃₂ ClNO	337.9371	
TRIMEPRAZINE TARTRATE Therap cat: antipruritic	C ₂₂ H ₂₈ N ₂ O ₆ S	448.5423	
TRIMETHOBENZAMIDE HYDROCHLORIDE Therap cat: anti-emetic	C ₂₁ H ₂₉ ClN ₂ O ₅	424.9287	

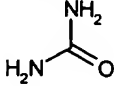
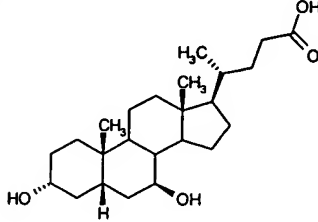
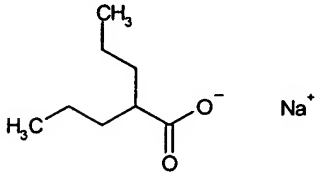
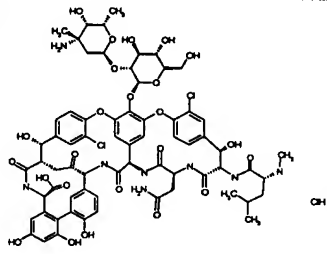
StavrovskayaSupplemental Table 1

TRIMETHOPRIM Therap cat: antibacterial	C ₁₄ H ₁₈ N ₄ O ₃	290.3246	
TRIOXSALEN Therap cat: melanizing agent, antipsoriatic	C ₁₄ H ₁₂ O ₃	228.2499	
TRIPLENNAMINE CITRATE Therap cat: Antihistaminic	C ₂₂ H ₂₉ N ₃ O ₇	447.4923	
TRIPROLIDINE HYDROCHLORIDE Therap cat: antihistaminic	C ₁₉ H ₂₃ ClN ₂	314.8616	

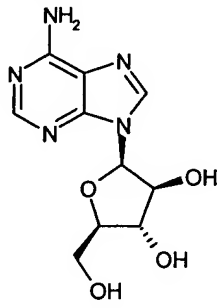
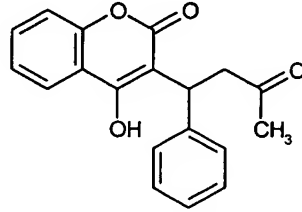
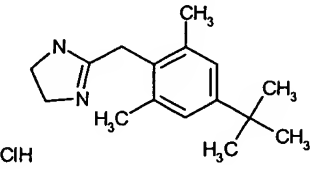
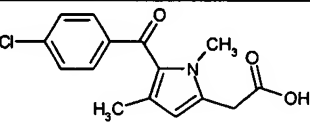
StavrovskayaSupplemental Table 1

<p>TROPICAMIDE Therap cat: Anticholinergic (ophthalmic)</p>	<p>C17H20N2O2</p>	<p>284.3612</p>	
<p>TRYPTOPHAN Therap cat: Antidepressant; nutrient</p>	<p>C11H12N2O2</p>	<p>204.2305</p>	
<p>TUAMINOHEPTANE SULFATE Therap cat: adrenergic</p>	<p>C7H19NO4S</p>	<p>213.2978</p>	
<p>TYROTHRICIN Therap cat: Topical antibacterial</p>	<p>C66H85N11O15</p>	<p>1272.478</p>	

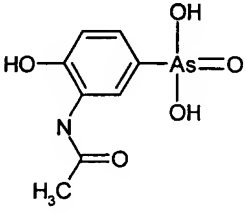
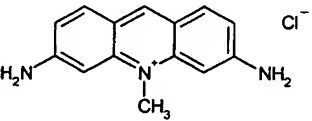
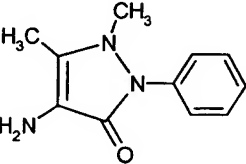
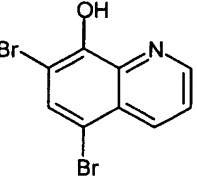
StavrovskayaSupplemental Table 1

UREA Therap cat: Diuretic	CH ₄ N ₂ O	60.05583	
URSODIOL Therap cat: Anticholelithogenic	C ₂₄ H ₄₀ O ₄	392.584	
VALPROATE SODIUM Therap cat: anticonvulsant	C ₈ H ₁₅ NaO ₂	166.1974	
VANCOMYCIN HYDROCHLORIDE Therap cat: Antibacterial	C ₆₇ H ₇₇ Cl ₃ N ₈ O ₂₄	1484.759	

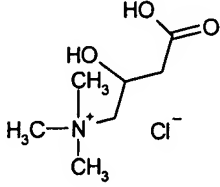
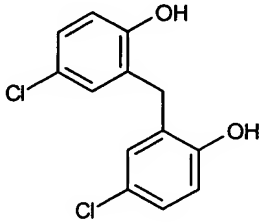
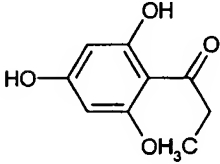
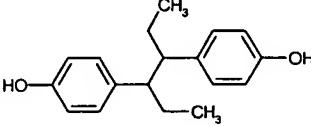
StavrovskayaSupplemental Table 1

VIDARABINE Therap cat: antiviral	C10H13N5O4	267.2462	
WARFARIN Therap cat: Anticoagulant, rodenticide	C19H16O4	308.337	
XYLOMETAZOLINE HYDROCHLORIDE Therap cat: Adrenergic (vasoconstrictor); nasal decongestant	C16H25ClN2	280.8441	
ZOMEPIRAC SODIUM Therap cat: Analgesic; anti-inflammatory	C15H14ClNO3	291.7367	

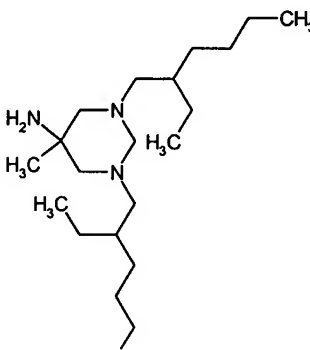
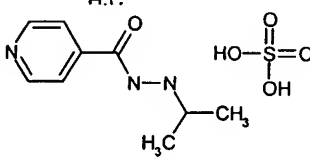
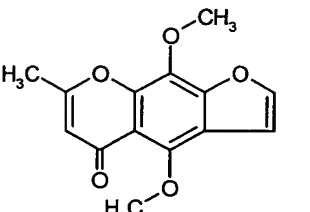
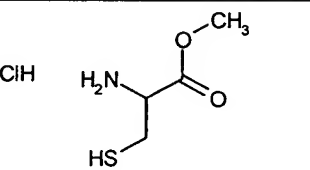
StavrovskayaSupplemental Table 1

<p>ACETARSOL Therap cat: Antiprotozoal (Trichomonas). Diethylamine salt formerly as antiphilic</p>	<p>C₈H₁₀AsNO₅</p>	<p>275.0942</p>	
<p>ACRIFLAVINIUM HYDROCHLORIDE Therap cat: Anti- infective; intercalating agent: interferes with DNA transcription and replication</p>	<p>C₁₄H₁₄ClN₃</p>	<p>259.7408</p>	
<p>AMINOPHENAZONE Therap cat: Antipyretic; analgesic</p>	<p>C₁₁H₁₃N₃O</p>	<p>203.2458</p>	
<p>BROXYQUINOLINE Therap cat: Antiseptic; disinfectant</p>	<p>C₉H₅Br₂NO</p>	<p>302.9543</p>	

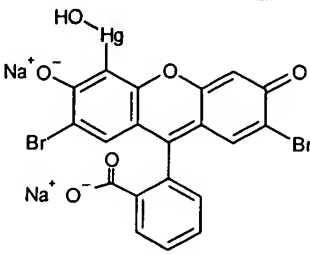
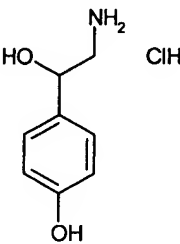
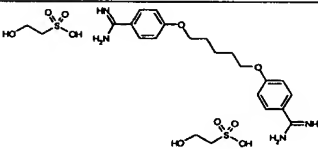
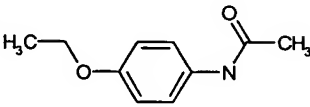
StavrovskayaSupplemental Table 1

CARNITINE CHLORIDE Therap cat: antihyperlipoproteinemic; gastric and pancreatic secretion stimulant	C7H16ClNO3	197.6635	
DICHLOROPHENE Therap cat: Anthelmintic (Cestotodes)	C13H10Cl2O2	269.1295	
FLOPROPIONE Therap cat: Antispasmodic	C9H10O4	182.1777	
HEXESTROL Therap cat: Estrogen; antineoplastic (hormonal)	C18H22O2	270.3748	

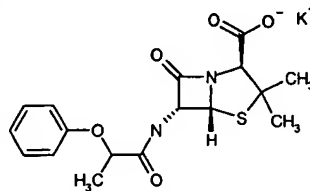
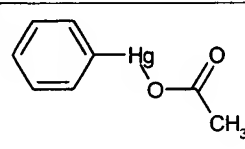
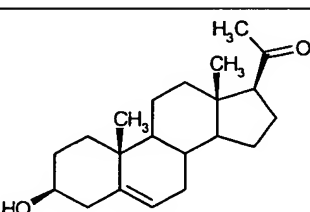
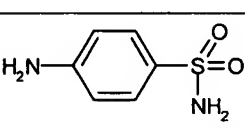
StavrovskayaSupplemental Table 1

<p>HEXETIDINE</p> <p>Therap cat: Antifungal</p>	<p>C₂₁H₄₅N₃</p>	<p>339.6129</p>	
<p>IPRONIAZID SULFATE</p> <p>Therap cat: monoamine oxidase inhibitor; antidepressant</p>	<p>C₉H₁₅N₃O₅S</p>	<p>277.301</p>	
<p>KHELLIN</p> <p>Therap cat: vasodilator</p>	<p>C₁₄H₁₂O₅</p>	<p>260.2487</p>	
<p>MECYSTEINE HYDROCHLORIDE</p> <p>Therap cat: mucolytic</p>	<p>C₄H₁₀ClNO₂S</p>	<p>171.6468</p>	<p>ClH</p> 

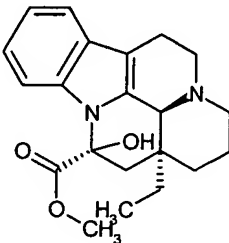
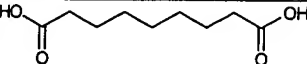
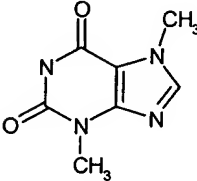
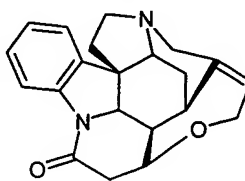
StavrovskayaSupplemental Table 1

MERBROMIN Therap cat: Antibacterial	C ₂₀ H ₈ Br ₂ HgNa ₂ O ₆	750.6608	
OCTOPAMINE HYDROCHLORIDE Therap cat: adrenergic	C ₈ H ₁₂ ClNO ₂	189.6433	
PENTAMIDINE ISETHIONATE Therap cat: antiprotozoal; antipneumocystis	C ₂₃ H ₃₆ N ₄ O ₁₀ S ₂	592.6922	
PHENACETIN Therap cat: Analgesic; antipyretic	C ₁₀ H ₁₃ NO ₂	179.2206	

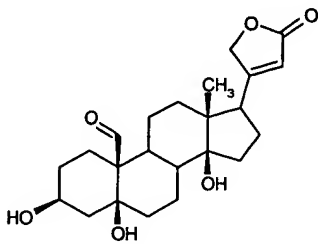
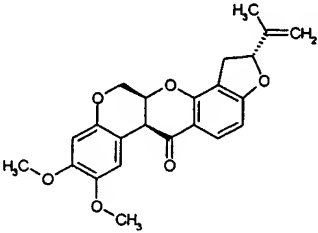
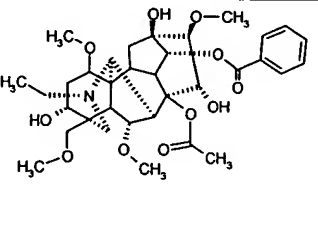
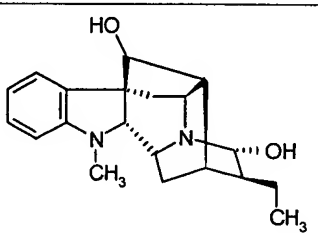
StavrovskayaSupplemental Table 1

<p>PHENETHICILLIN POTASSIUM Therap cat: antibacterial</p>	<p>C₁₇H₁₉KN₂O₅S</p>	<p>402.5174</p>	
<p>PHENYLMERCURIC ACETATE Therap cat: fungicide</p>	<p>C₈H₈HgO₂</p>	<p>336.7418</p>	
<p>PREGNENOLONE Therap cat: corticosteroid; anti- inflammatory</p>	<p>C₂₁H₃₂O₂</p>	<p>316.488</p>	
<p>SULFANILAMIDE Therap cat: Antibacterial</p>	<p>C₆H₈N₂O₂S</p>	<p>172.2069</p>	

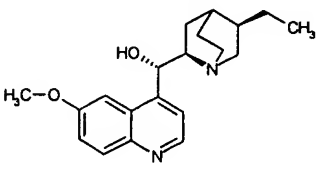
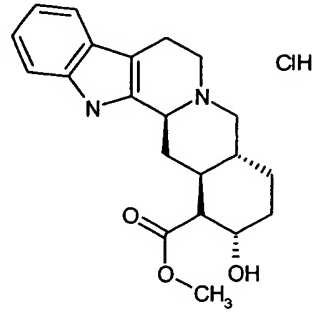
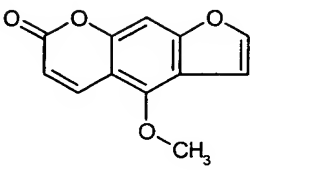
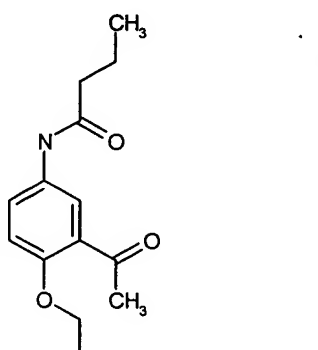
StavrovskayaSupplemental Table 1

VINCAMINE Therap cat: Vasodilator	C₂₁H₂₆N₂O₃	354.453	
AZELAIC ACID Therap cat: Antiacne	C₉H₁₆O₄	188.2255	
THEOBROMINE Therap cat: Diuretic; bronchodilator; cardiotonic	C₇H₈N₄O₂	180.1674	
STRYCHNINE Therap cat: tonic and central stimulant	C₂₁H₂₂N₂O₂	334.4217	

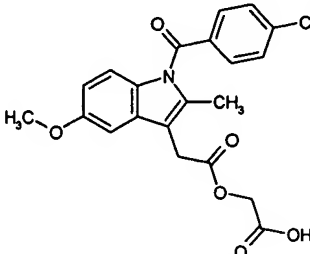
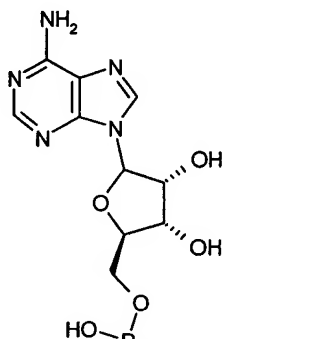
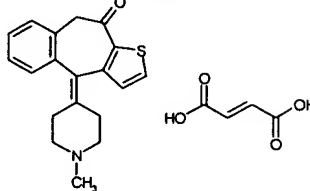
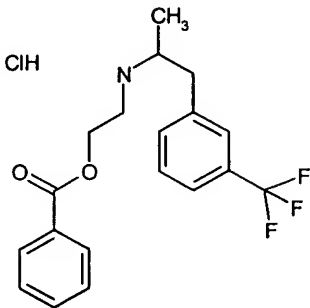
StavrovskayaSupplemental Table 1

STROPHANTHIDIN Therap cat: Glycoside (cardiac)	C23H32O6	404.5079	
ROTENONE Therap cat: acaricide, ectoparasiticide inhibits NADH2 oxidation to NAD	C23H22O6	394.4282	
ACONITINE Therap cat: gastric anesthetic, antipyretic cardiotoxic	C34H47NO11	645.7538	
AJMALINE Therap cat: antihypertensive; antiarrhythmic; PAF blocker; cardiotoxic; inhibits glucose uptake	C20H26N2O2	326.4424	

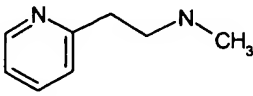
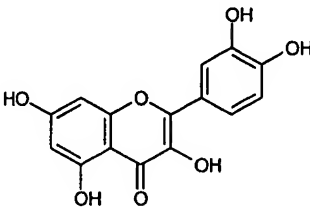
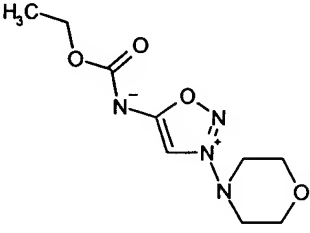
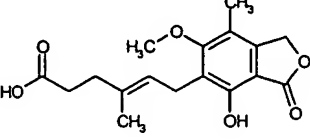
StavrovskayaSupplemental Table 1

<p>HYDROQUINIDINE Therap cat: Antiarrhythmic</p>	C20H26N2O2	326.4424	
<p>YOHIMBINE HYDROCHLORIDE Therap cat: alpha- adrenergic blocker; mydriatic</p>	C21H27ClN2O3	390.9139	
<p>BERGAPTENE Therap cat: Antipsoriatic</p>	C12H8O4	216.1952	
<p>ACEBUTOLOL HYDROCHLORIDE Therap cat: antihypertensive; antianginal; antiarrhythmic</p>	C18H29ClN2O4	372.8958	

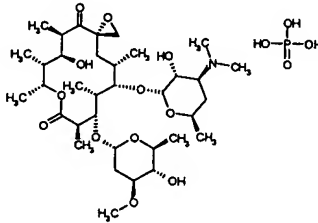
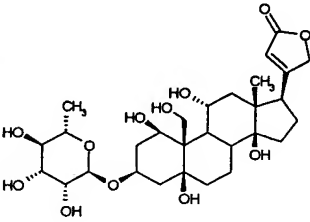
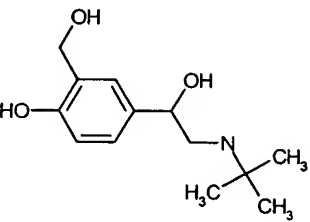
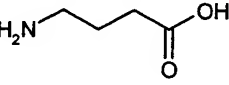
StavrovskayaSupplemental Table 1

ACEMETACIN Therap cat: Anti-inflammatory	C21H18ClNO6	415.8337	
ADENOSINE PHOSPHATE Therap cat: vasodilator, neuromodulator	C10H14N5O7P	347.2262	
KETOTIFEN FUMARATE Therap cat: anti-asthmatic	C23H23NO5S	425.5075	
BENFLUOREX HYDROCHLORIDE Therap cat: antihyperlipoproteinemic	C19H21ClF3NO2	387.8329	

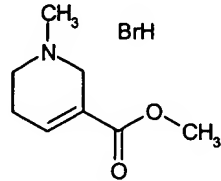
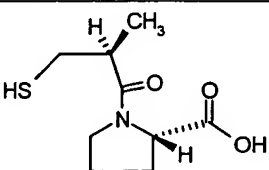
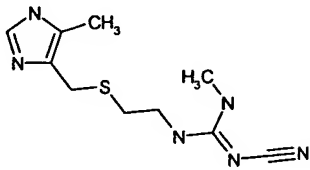
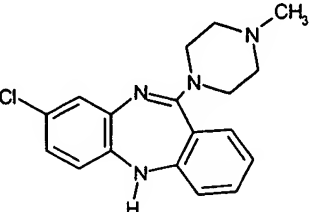
StavrovskayaSupplemental Table 1

<p>BETAHISTINE HYDROCHLORIDE Therap cat: vasodilator</p>	<p>C₈H₁₄Cl₂N₂</p>	<p>209.1202</p>	<p>ClH ClH</p> 
<p>QUERCETIN Therap cat: Capillary protectant</p>	<p>C₁₅H₁₀O₇</p>	<p>302.2428</p>	
<p>MOLSIDOMINE Therap cat: Antianginal</p>	<p>C₉H₁₄N₄O₄</p>	<p>242.2363</p>	<p>H₃C</p> 
<p>MYCOPHENOLIC ACID Therap cat: antineoplastic</p>	<p>C₁₇H₂₀O₆</p>	<p>320.3454</p>	

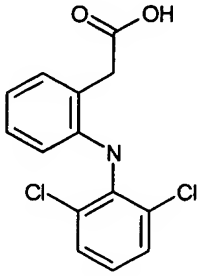
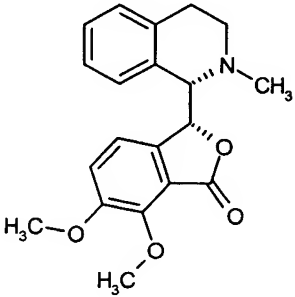
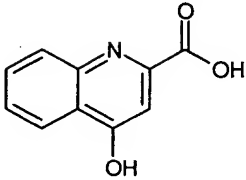
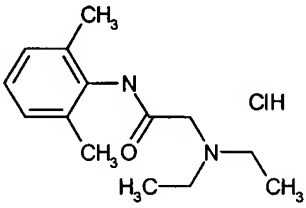
StavrovskayaSupplemental Table 1

OLEANDOMYCIN PHOSPHATE Therap cat: Antibacterial	C35H64NO16P	785.8712	 The chemical structure of Oleandomycin Phosphate is a complex macrolide. It features a 14-membered macrolide ring with multiple hydroxyl groups, methyl groups, and a phosphate group attached to one of the sugar moieties. The structure is highly branched and contains several stereocenters.
OUABAIN Therap cat: Cardiotonic	C29H44O12	584.6668	 The chemical structure of Ouabain is a steroid-like molecule with a complex ring system. It has several hydroxyl groups and a unique side chain that includes a furan ring and a carbonyl group. The structure is highly branched and contains several stereocenters.
ALBUTEROL Therap cat: bronchodilator; tocolytic	C13H21NO3	239.3172	 The chemical structure of Albuterol is a beta2-adrenergic agonist. It consists of a benzene ring with a hydroxyl group and a hydroxymethyl group. The benzene ring is connected to a side chain that includes a hydroxyl group and a tert-butyl group. The structure is relatively simple compared to the others.
gamma-AMINOBUTYRIC ACID Therap cat: Antihypertensive	C4H9NO2	103.1218	 The chemical structure of gamma-Aminobutyric Acid (GABA) is a simple molecule. It consists of a four-carbon chain with an amino group (H2N) at one end and a carboxylic acid group (COOH) at the other. The structure is linear and contains no rings.

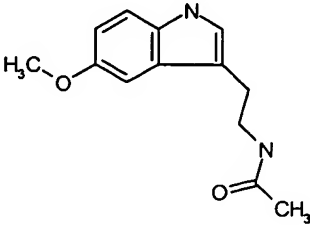
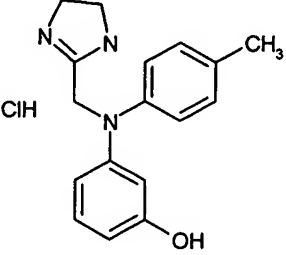
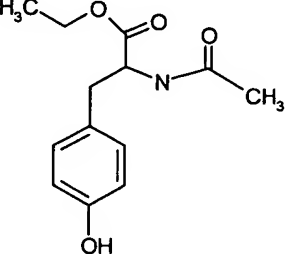
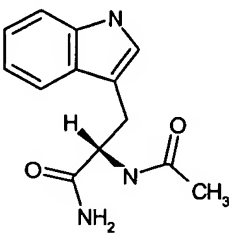
StavrovskayaSupplemental Table 1

ARECOLINE HYDROBROMIDE Therap cat: anthelmintic (Cestodes)	C ₈ H ₁₄ BrNO ₂	236.1103	
CAPTOPRIL Therap cat: Antihypertensive	C ₉ H ₁₅ NO ₃ S	217.2888	
CIMETIDINE Therap cat: Anti- ulcerative	C ₁₀ H ₁₆ N ₆ S	252.3432	
CLOZAPINE Therap cat: Antipsychotic	C ₁₈ H ₁₉ ClN ₄	326.8319	

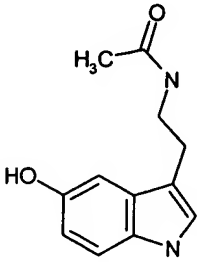
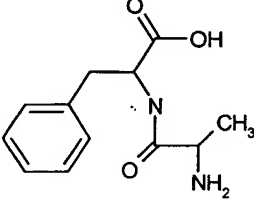
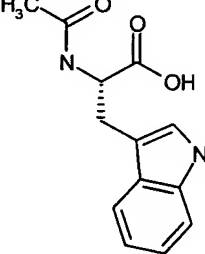
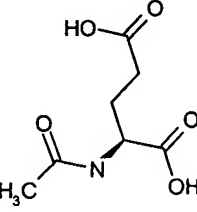
StavrovskayaSupplemental Table 1

<p>DICLOFENAC Therap cat: Anti-inflammatory</p>	<p>C₁₄H₁₁Cl₂NO₂</p>	<p>296.1553</p>	
<p>1S,9R-beta-HYDRASTINE Therap cat: antihypertensive, sedative, antibacterial</p>	<p>C₂₀H₂₁NO₄</p>	<p>339.3947</p>	
<p>KYNURENIC ACID Therap cat: nutritient in vitamin B deficiency diseases</p>	<p>C₁₀H₇NO₃</p>	<p>189.1722</p>	
<p>LIDOCAINE HYDROCHLORIDE Therap cat: local anesthetic; cardiac depressant (anti-arrhythmic)</p>	<p>C₁₄H₂₃ClN₂O</p>	<p>270.8052</p>	

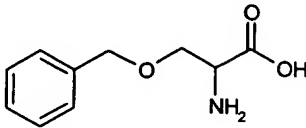
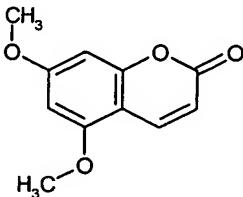
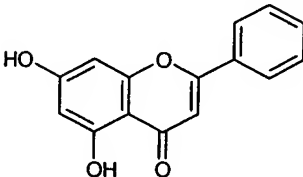
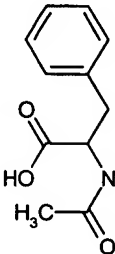
StavrovskayaSupplemental Table 1

MELATONIN Therap cat: sleep induction	C ₁₃ H ₁₆ N ₂ O ₂	232.2847	
PHENTOLAMINE HYDROCHLORIDE Therap cat: antihypertensive; treatment of pheochromocytoma	C ₁₇ H ₂₀ ClN ₃ O	317.8215	
ACETYL TYROSINE ETHYL ESTER Therap cat: Chymotrypsin substrate	C ₁₃ H ₁₇ NO ₄	251.2847	
ACETYLTRYPHOPHAN AMIDE Therap cat: antidepressant; nutrient	C ₁₃ H ₁₅ N ₃ O ₂	245.2834	

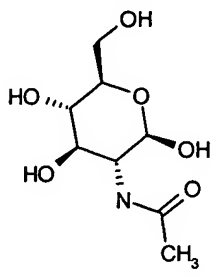
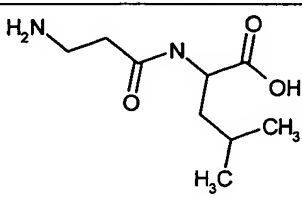
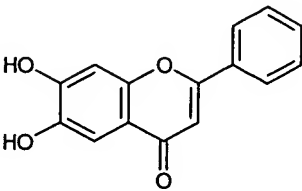
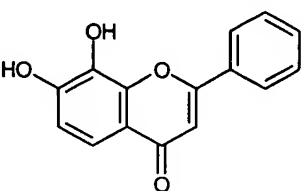
StavrovskayaSupplemental Table 1

<p>N-ACETYLSEROTONIN Therap cat: enzyme inhibitor; melatonin precursor</p>	<p>C₁₂H₁₄N₂O₂</p>	<p>218.2576</p>	
<p>ALANYL-DI-PHENYLALANINE Therap cat: formulation salt</p>	<p>C₁₂H₁₆N₂O₃</p>	<p>236.2729</p>	
<p>ACETYLTRYPTOPHAN Therap cat: antidepressant</p>	<p>C₁₃H₁₄N₂O₃</p>	<p>246.2681</p>	
<p>ACETYLGLUTAMIC ACID Therap cat: excitatory aminoacid; formulation salt</p>	<p>C₇H₁₁NO₅</p>	<p>189.1694</p>	

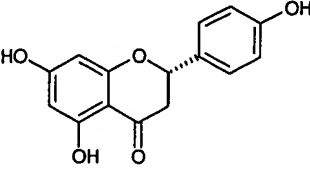
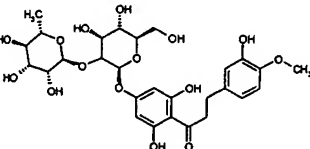
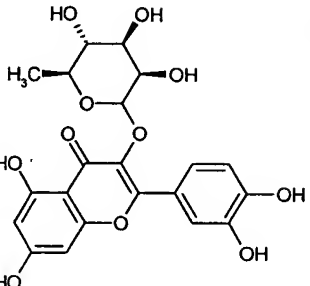
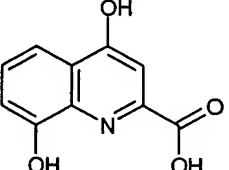
StavrovskayaSupplemental Table 1

O-BENZYL-L-SERINE Therap cat: aminoacid derivative; formulation salt	C10H13NO3	195.22	
CITROPTEN Therap cat: Constituent of Bergamot oil	C11H10O4	206.2	
CHRY SIN Therap cat: Diuretic	C15H10O4	254.2446	
ACETYLPHENYLALANI NE Therap cat: formulation salt	C11H13NO3	207.2312	

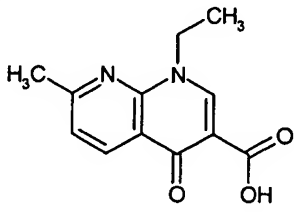
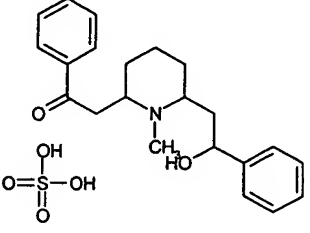
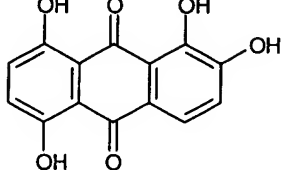
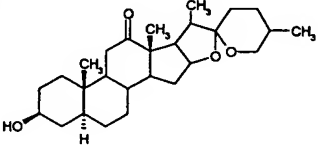
StavrovskayaSupplemental Table 1

ACETYLGLUCOSAMINE Therap cat: antarthritic pharmaceutical aid	C8H15NO6	221.2119	
ALANYL-D-LEUCINE Therap cat: formulation salt	C9H18N2O3	202.2554	
6,7-DIHYDROXYFLAVONE Therap cat: antihæmorrhagic	C15H10O4	254.2446	
7,8-DIHYDROXYFLAVONE Therap cat: antihæmorrhagic, diuretic	C15H10O4	254.2446	

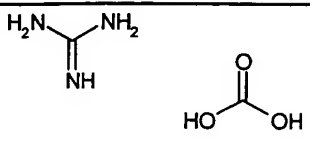
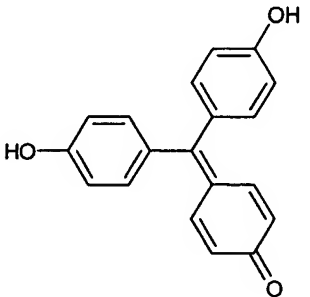
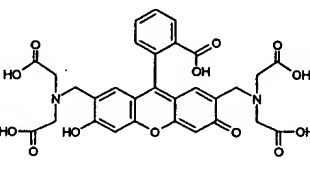
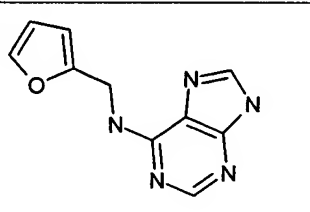
StavrovskayaSupplemental Table 1

<p>NARINGENIN Therap cat: anti-ulcer; gibberellin antagonist Phytochemistry 8: 127 (1969)</p>	<p>C₁₅H₁₂O₅</p>	<p>272.2599</p>	
<p>NEOHESPERIDIN DIHYDROCHALCONE Therap cat: Sweetening agent</p>	<p>C₂₈H₃₆O₁₅</p>	<p>612.5901</p>	
<p>QUERCITRIN Therap cat: Antihemorrhagic</p>	<p>C₂₁H₂₀O₁₁</p>	<p>448.387</p>	
<p>XANTHURENIC ACID Therap cat: Tryptophan pathological metabolite</p>	<p>C₁₀H₇NO₄</p>	<p>205.1716</p>	

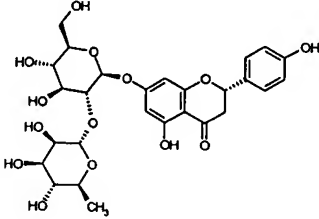
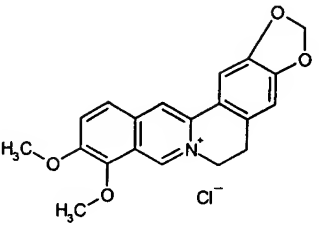
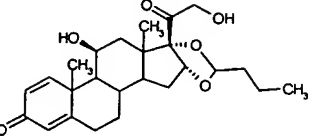
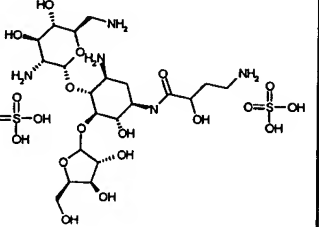
StavrovskayaSupplemental Table 1

<p>NALIDIXIC ACID Therap cat: antibacterial</p>	<p>C₁₂H₁₂N₂O₃</p>	<p>232.241</p>	
<p>LOBELINE SULFATE Therap cat: Respiratory stimulant</p>	<p>C₂₂H₂₉N₂O₆S</p>	<p>435.5435</p>	
<p>QUINALIZARIN Therap cat: Indicator</p>	<p>C₁₄H₈O₆</p>	<p>272.2163</p>	
<p>HECOGENIN Therap cat: Steroid precursor</p>	<p>C₂₇H₄₂O₄</p>	<p>430.6334</p>	

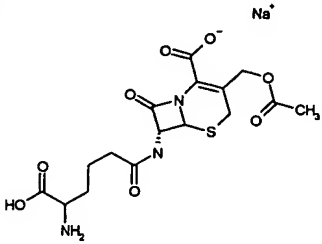
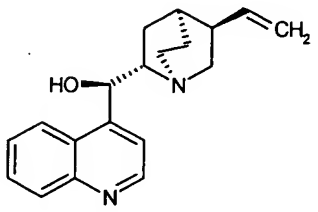
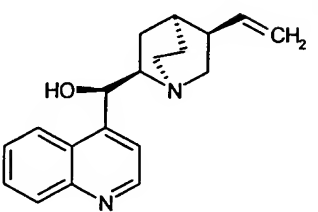
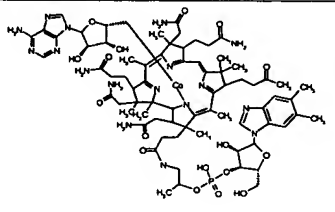
StavrovskayaSupplemental Table 1

<p>GUANIDINE CARBONATE Therap cat: striated muscle stimulant</p>	<p>C2H7N3O3</p>	<p>121.0964</p>	 <p>The image shows two chemical structures. On the left is Guanidine, represented as H₂N-C(=NH)-NH₂. On the right is Carbonic acid, represented as HO-C(=O)-OH.</p>
<p>ROSOLIC ACID Therap cat: diagnostic aid</p>	<p>C19H14O3</p>	<p>290.3216</p>	 <p>The image shows the chemical structure of Rosolic acid, which consists of a central carbon atom double-bonded to a 4-hydroxyphenyl group, a 4-hydroxybenzoyl group, and a 4-hydroxyphenyl group.</p>
<p>CALCEIN Therap cat: Chelating agent (Ca, Mg)</p>	<p>C30H26N2O13</p>	<p>622.5473</p>	 <p>The image shows the chemical structure of Calcein, a fluorescent dye. It features a central xanthene core with two phenyl rings at the 3 and 6 positions, each substituted with a carboxymethyl group (-CH₂COOH).</p>
<p>KINETIN Therap cat: Auxin; plant growth regulator</p>	<p>C10H9N5O</p>	<p>215.2161</p>	 <p>The image shows the chemical structure of Kinetin, a purine derivative. It consists of a purine ring system with a 2-furylmethyl group attached to the 6-position.</p>

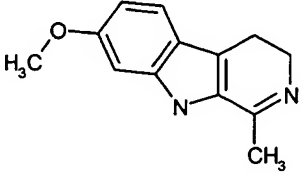
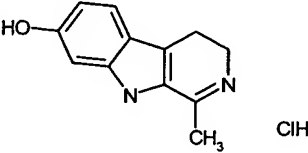
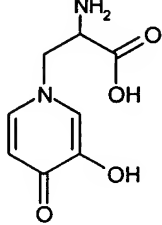
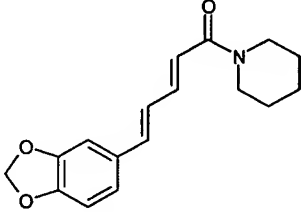
StavrovskayaSupplemental Table 1

<p>NARINGIN Therap cat: anti-haemorrhagic</p>	<p>C27H32O14</p>	<p>580.5477</p>	
<p>BERBERINE CHLORIDE Therap cat: antipyretic, antimalarial</p>	<p>C20H18ClNO4</p>	<p>371.8238</p>	
<p>BUDESONIDE Therap cat: antiinflammation</p>	<p>C25H34O6</p>	<p>430.5461</p>	
<p>BUTIROSIDIN A Therap cat: antibiotic</p>	<p>C21H45N5O20S2</p>	<p>751.7423</p>	

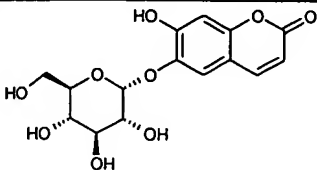
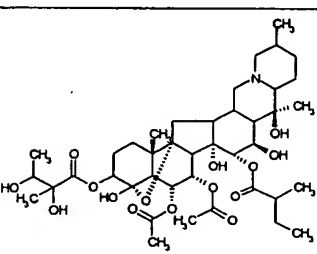
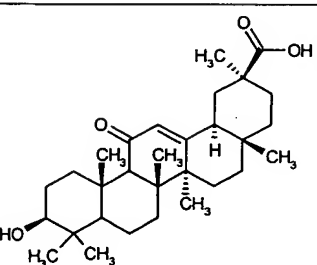
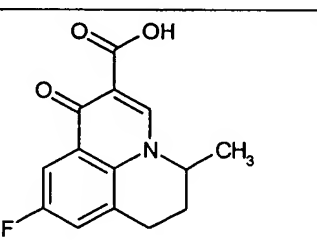
StavrovskayaSupplemental Table 1

<p>CEPHALOSPORIN C SODIUM Therap cat: antibiotic</p>	<p>C₁₆H₂₀N₃NaO₈S</p>	<p>437.4069</p>	
<p>CINCHONIDINE Therap cat: antimalarial</p>	<p>C₁₉H₂₂N₂O</p>	<p>294.4</p>	
<p>CINCHONINE Therap cat: antimalarial</p>	<p>C₁₉H₂₂N₂O</p>	<p>294.4</p>	
<p>COENZYME B-12 Therap cat: hematopoietic vitamin</p>	<p>C₇₃H₁₀₂CoN₁₇O 17P</p>	<p>1579.638</p>	

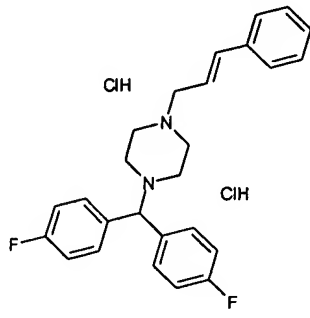
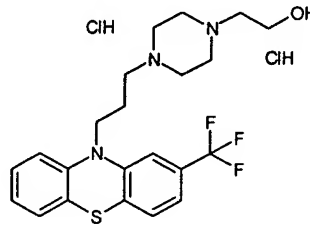
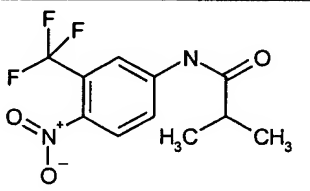
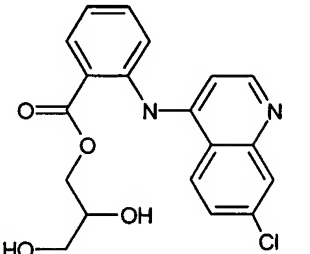
StavrovskayaSupplemental Table 1

<p>HARMALINE Therap cat: CNS stimulant, antiparkinsonian</p>	<p>C₁₃H₁₄N₂O</p>	<p>214.2693</p>	
<p>HARMALOL HYDROCHLORIDE Therap cat: CNS stimulant</p>	<p>C₁₂H₁₃ClN₂O</p>	<p>236.7032</p>	
<p>MIMOSINE Therap cat: depilatory agent</p>	<p>C₈H₁₀N₂O₄</p>	<p>198.1799</p>	
<p>PIPERINE Therap cat: analeptic, antibacterial</p>	<p>C₁₇H₁₉NO₃</p>	<p>285.3459</p>	

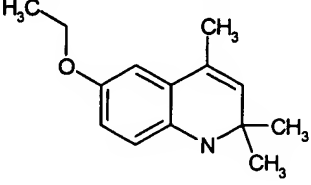
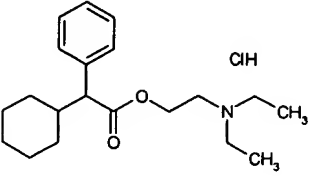
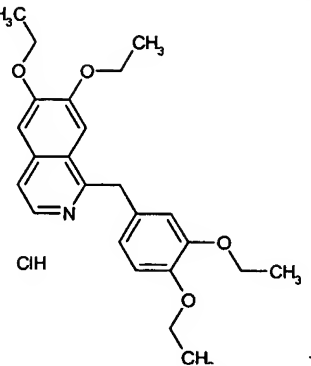
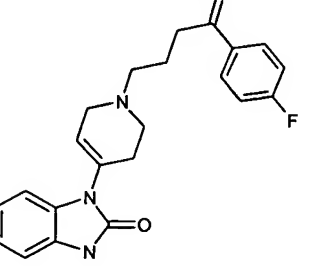
StavrovskayaSupplemental Table 1

<p>AESCULIN Therap cat: antiinflammatory</p>	<p>C15H16O9</p>	<p>340.2894</p>	
<p>PROTOVERATRINE B Therap cat: antihypertensive, emetic</p>	<p>C41H63NO15</p>	<p>809.957</p>	
<p>18alpha- GLYCYRRHETINIC ACID Therap cat: antiinflammatory</p>	<p>C30H46O4</p>	<p>470.6987</p>	
<p>FLUMEQUINE Therap cat: antibacterial</p>	<p>C14H12FNO3</p>	<p>261.255</p>	

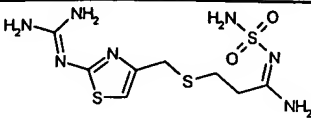
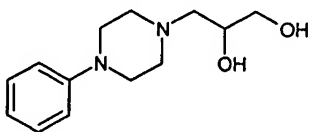
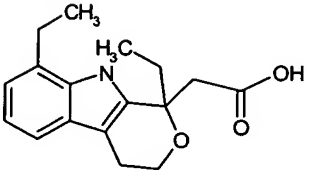
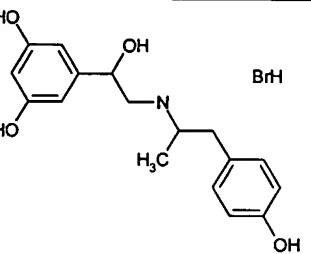
StavrovskayaSupplemental Table 1

FLUNARIZINE HYDROCHLORIDE Therap cat: vasodilator	C26H28Cl2F2N2	477.4293	
FLUFENAZINE HYDROCHLORIDE Therap cat: H1 antihistamine	C22H28Cl2F3N3O S	510.4532	
FLUTAMIDE Therap cat: antiandrogen	C11H11F3N2O3	276.2171	
GLAFENINE Therap cat: analgesic	C19H17ClN2O4	372.8113	

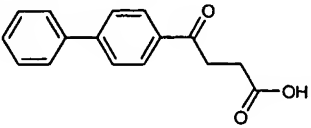
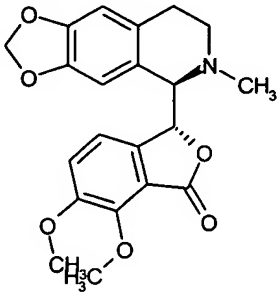
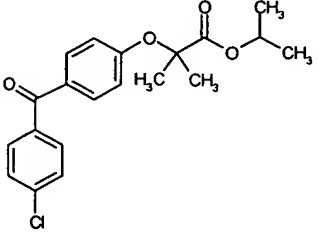
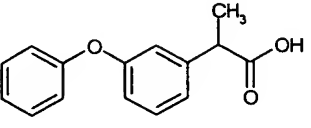
StavrovskayaSupplemental Table 1

ETHOXYQUIN Therap cat: antioxidant	C14H19NO	217.3136	
DROFENINE HYDROCHLORIDE Therap cat: antispasmodic	C20H32ClNO2	353.9365	
ETHAVERINE HYDROCHLORIDE Therap cat: antispasmodic	C24H30ClNO4	431.964	
DROPERIDOL Therap cat: neuroleptic	C22H22FN3O2	379.4379	

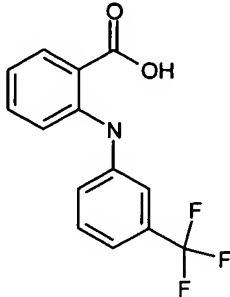
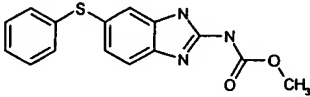
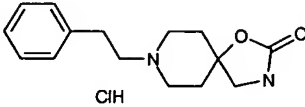
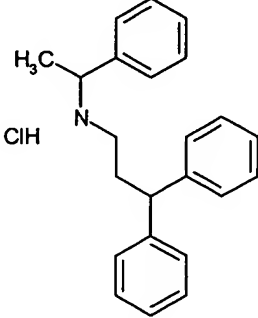
StavrovskayaSupplemental Table 1

FAMOTIDINE Therap cat: H2-receptor antagonist	C8H15N7O2S3	337.4465	
DROPROPIZINE Therap cat: antitussive	C13H20N2O2	236.3166	
ETODOLAC Therap cat: antiinflammation	C17H21NO3	287.3618	
FENOTEROL HYDROBROMIDE Therap cat: beta-adrenergic agonist	C17H22BrNO4	384.2732	

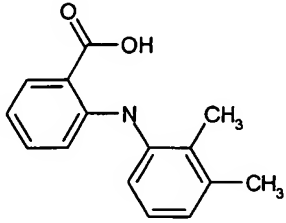
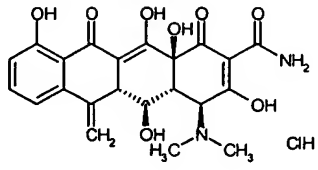
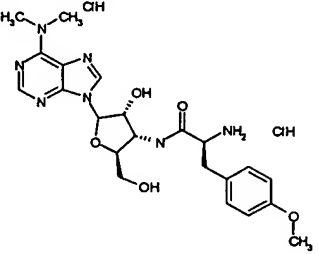
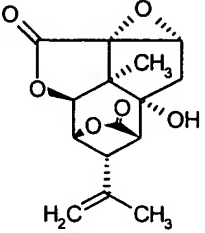
StavrovskayaSupplemental Table 1

FENBUFEN Therap cat: antiinflammation	C16H14O3	254.2882	
1R,9S-HYDRASTINE Therap cat: Antiseptic, hemostatic	C21H21NO6	383.4046	
FENOFIBRATE Therap cat: antihyperlipemic	C20H21ClO4	360.841	
FENOPROFEN Therap cat: antiinflammation	C15H14O3	242.277	

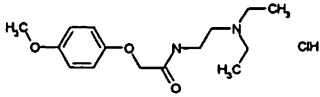
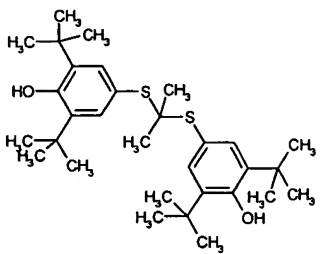
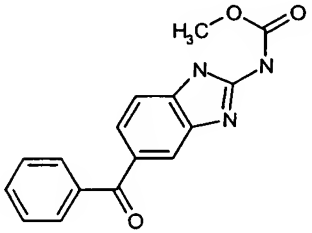
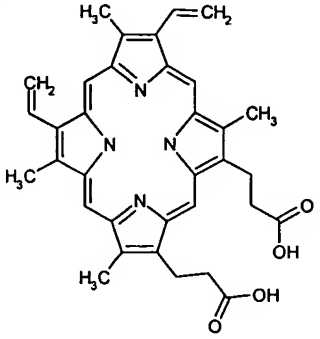
StavrovskayaSupplemental Table 1

FLUFENAMIC ACID Therap cat: antiinflammation, analgesic	C14H10F3NO2	281.2365	
FENBENDAZOLE Therap cat: anthelmintic	C15H13N3O2S	299.3538	
FENSPIRIDE HYDROCHLORIDE Therap cat: antiinflammation, bronchodilator	C15H21ClN2O2	296.7998	
FENDILINE HYDROCHLORIDE Therap cat: coronary vasodilator	C23H26ClN	351.9234	

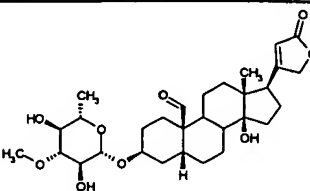
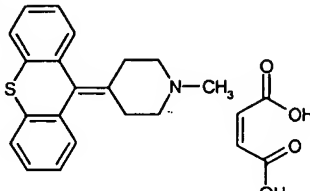
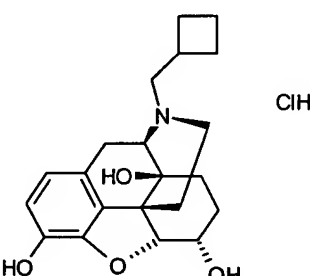
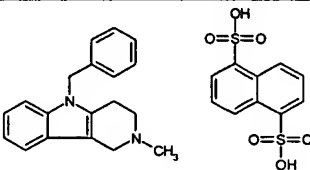
StavrovskayaSupplemental Table 1

MEFENAMIC ACID Therap cat: Anti-inflammatory; analgesic	C15H15NO2	241.2923	
METHACYCLINE HYDROCHLORIDE Therap cat: Antibacterial	C22H23ClN2O8	478.8902	
PUROMYCIN HYDROCHLORIDE Therap cat: Antineoplastic; antiprotozoal protein synthesis inhibitor	C22H31Cl2N7O5	544.4423	
PICROTOXININ Therap cat: Stimulant, convulsant GABA receptor antagonist, ichthyotoxin	C15H16O6	292.2912	

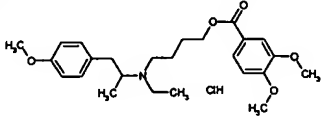
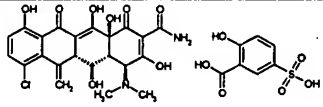
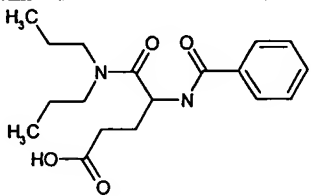
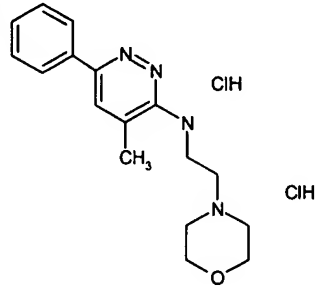
StavrovskayaSupplemental Table 1

MEFEXAMIDE Therap cat: stimulant (central)	C15H25ClN2O3	316.8311	
PROBUCOL Therap cat: Antihyperlipidemic	C31H48O2S2	516.855	
MEBENDAZOLE Therap cat: Anthelmintic	C16H13N3O3	295.3003	
PROTOPORPHYRIN IX Therap cat: In liver disease	C34H34N4O4	562.6745	

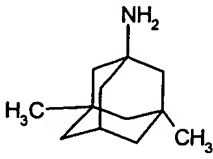
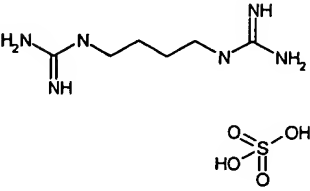
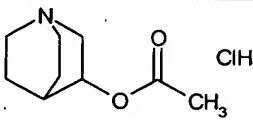
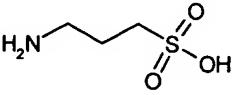
StavrovskayaSupplemental Table 1

<p>PERUVOSIDE</p> <p>Therap cat: Cardiotonic</p>	C30H44O9	548.6798	
<p>PIMETHIXENE MALEATE</p> <p>Therap cat: H1- antihistamine</p>	C23H23NO4S	409.5081	
<p>NALBUPHINE HYDROCHLORIDE</p> <p>Therap cat: analgesic; narcotic antagonist</p>	C21H28ClNO4	393.9146	 <p>ClH</p>
<p>MEBHYDROLIN NAPHTHALENESULFO NATE</p> <p>Therap cat: H1- antihistamine</p>	C29H28N2O6S2	564.6843	

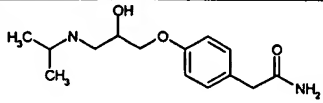
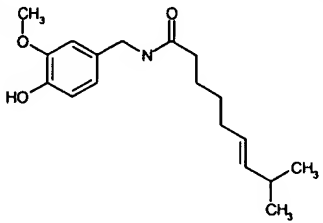
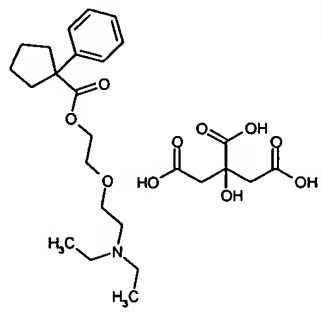
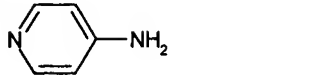
StavrovskayaSupplemental Table 1

<p>MEBEVERINE HYDROCHLORIDE Therap cat: smooth muscle relaxant</p>	<p>C25H36ClNO5</p>	<p>466.0224</p>	
<p>MECLOCYCLINE SULFOSALICYLATE Therap cat: antibacterial</p>	<p>C29H27ClN2O14 S</p>	<p>695.0605</p>	
<p>PROGLUMIDE Therap cat: Anticholinergic</p>	<p>C18H26N2O4</p>	<p>334.4189</p>	
<p>MINAPRINE HYDROCHLORIDE Therap cat: psychotropic</p>	<p>C17H24Cl2N4O</p>	<p>371.313</p>	

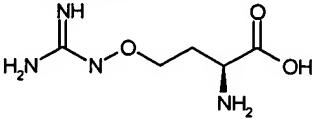
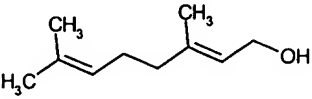
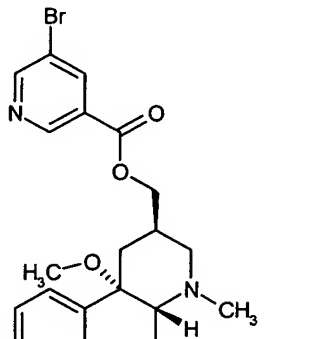
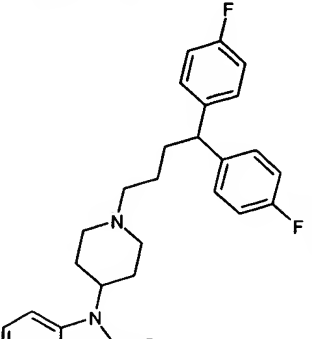
StavrovskayaSupplemental Table 1

MEMANTINE Therap cat: Muscle relaxant (skeletal)	C ₁₂ H ₂₁ N	179.3079	
ARCAINE SULPHATE Therap cat: NO synthase inhibitor; NMDA inhibitor; anti- protozoal	C ₆ H ₁₈ N ₆ O ₄ S	270.3122	
ACECLIDINE HYDROCHLORIDE Therap cat: Cholinergic	C ₉ H ₁₆ ClNO ₂	205.6864	
3-AMINOPROPANESULPHONIC ACID Therap cat: Antibacterial	C ₃ H ₉ NO ₃ S	139.1741	

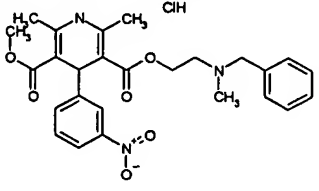
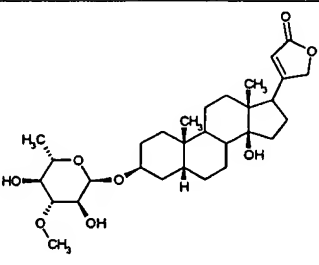
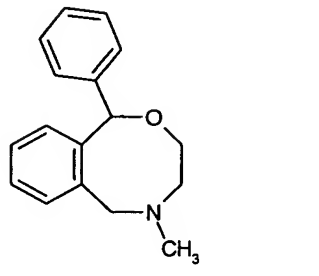
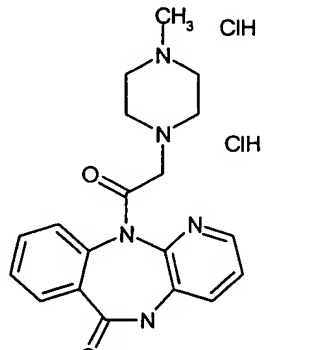
StavrovskayaSupplemental Table 1

<p>ATENOLOL Therap cat: Antiadrenergic (α-receptor)</p>	C14H22N2O3	266.343	
<p>E-CAPSAICIN Therap cat: topical analgesic depletes Substance P neurotoxic</p>	C18H27NO3	305.4208	
<p>CARBETAPENTANE CITRATE Therap cat: Antitussive</p>	C26H39NO10	525.6014	
<p>AMINOPYRIDINE Therap cat: K-channel blocker [J.Pharmacol.Exp.Ther. 275:864 (1995)]</p>	C5H6N2	94.11697	

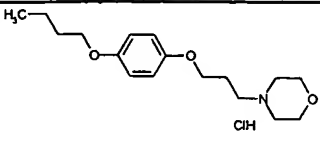
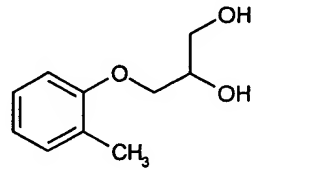
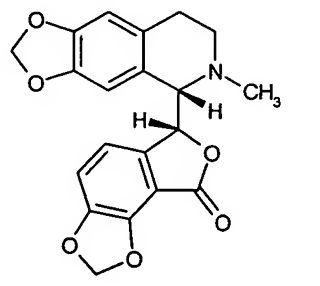
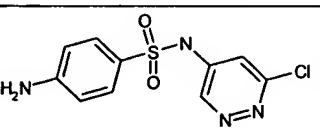
StavrovskayaSupplemental Table 1

<p>L-CANAVANINE Therap cat: NO synthase inhibitor [Eur.J.Pharmacol. 269:269; 271:87 (1994)]</p>	<p>C₅H₁₂N₄O₃</p>	<p>176.1764</p>	
<p>NEROL Therap cat: fragrance & flavoring agent</p>	<p>C₁₀H₁₈O</p>	<p>154.2544</p>	
<p>NICERGOLINE Therap cat: vasodilator</p>	<p>C₂₄H₂₆BrN₃O₃</p>	<p>484.3971</p>	
<p>PIMOZIDE Therap cat: Antipsychotic</p>	<p>C₂₈H₂₉F₂N₃O</p>	<p>461.5596</p>	

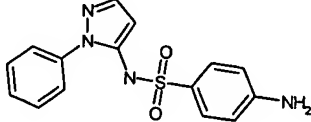
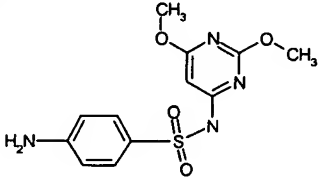
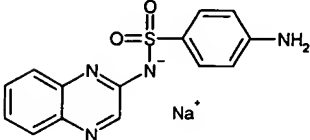
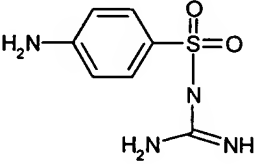
StavrovskayaSupplemental Table 1

<p>NICARDIPINE HYDROCHLORIDE Therap cat: vasodilator</p>	<p>C₂₆H₃₀ClN₃O₆</p>	<p>515.9985</p>	
<p>NERIFOLIN Therap cat: cardiotonic</p>	<p>C₃₀H₄₆O₈</p>	<p>534.6963</p>	
<p>NEFOPAM Therap cat: Analgesic</p>	<p>C₁₇H₁₉NO</p>	<p>253.3471</p>	
<p>PIRENZEPINE HYDROCHLORIDE Therap cat: antiulcerative</p>	<p>C₁₉H₂₃Cl₂N₅O₂</p>	<p>424.3335</p>	

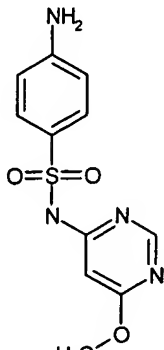
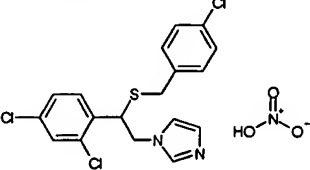
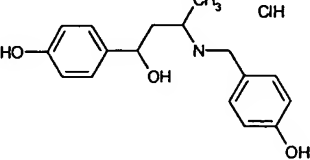
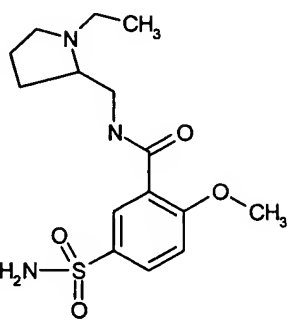
StavrovskayaSupplemental Table 1

PRAMOXINE HYDROCHLORIDE Therap cat: anesthetic (topical)	C ₁₇ H ₂₈ ClNO ₃	329.8706	
MEPHENESIN Therap cat: skeletal muscle relaxant	C ₁₀ H ₁₄ O ₃	182.2213	
BICUCULLINE Therap cat: GABA Antagonist	C ₂₀ H ₁₇ NO ₆	367.3616	
SULFACHLORPYRIDAZINE Therap cat: antibacterial	C ₁₀ H ₉ ClN ₄ O ₂ S	284.7258	

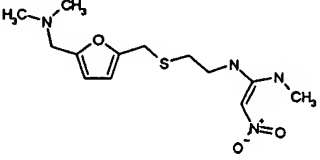
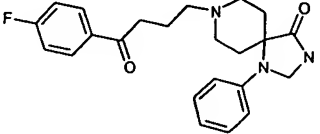
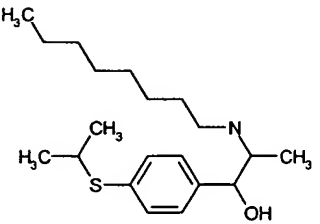
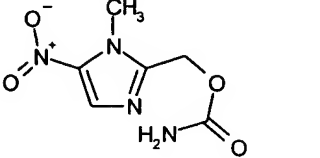
StavrovskayaSupplemental Table 1

SULFAPHENAZOLE Therap cat: antibacterial	C ₁₅ H ₁₄ N ₄ O ₂ S	314.3684	
SULFADIMETHOXINE Therap cat: antibacterial	C ₁₂ H ₁₄ N ₄ O ₄ S	310.3338	
SULFAQUINOXALINE SODIUM Therap cat: antibacterial	C ₁₄ H ₁₁ N ₄ NaO ₂ S	322.3232	
SULFAGUANIDINE Therap cat: antibacterial	C ₇ H ₁₀ N ₄ O ₂ S	214.2474	

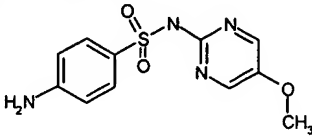
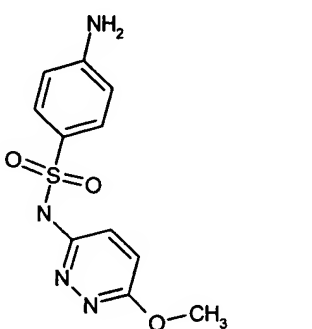
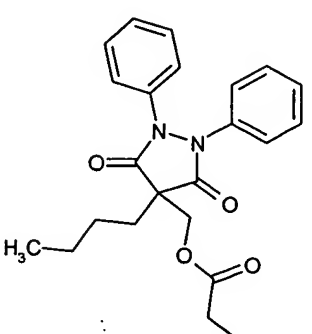
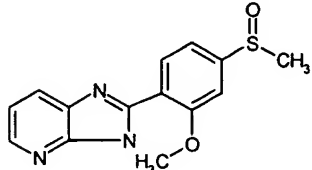
StavrovskayaSupplemental Table 1

<p>SULFAMONOMETHOXI NE Therap cat: Antibacterial</p>	<p>C₁₁H₁₂N₄O₃S</p>	<p>280.3073</p>	
<p>SULCONAZOLE NITRATE Therap cat: antifungal</p>	<p>C₁₈H₁₆Cl₃N₃O₃S</p>	<p>460.7695</p>	
<p>RITODRINE HYDROCHLORIDE Therap cat: smooth muscle relaxant</p>	<p>C₁₇H₂₂ClNO₃</p>	<p>323.8228</p>	
<p>SULPIRIDE Therap cat: Antidepressant</p>	<p>C₁₅H₂₃N₃O₄S</p>	<p>341.4323</p>	

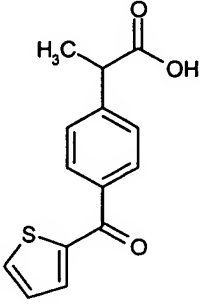
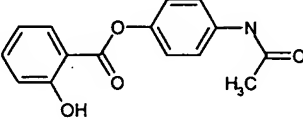
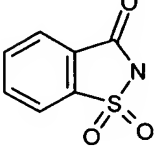
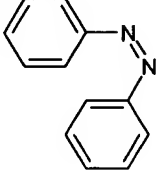
StavrovskayaSupplemental Table 1

<p>RANITIDINE Therap cat: Histamine H2 Antagonist</p>	<p>C13H22N4O3S</p>	<p>314.4093</p>	
<p>SPIPERONE Therap cat: Antipsychotic</p>	<p>C23H26FN3O2</p>	<p>395.481</p>	
<p>SULOCTIDIL Therap cat: Vasodilator (peripheral)</p>	<p>C20H35NOS</p>	<p>337.5721</p>	
<p>RONIDAZOLE Therap cat: Antiprotozoal</p>	<p>C6H8N4O4</p>	<p>200.1551</p>	

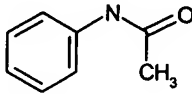
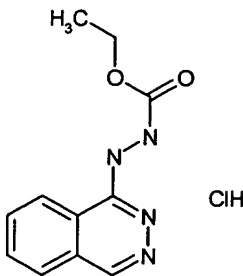
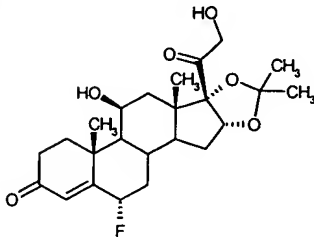
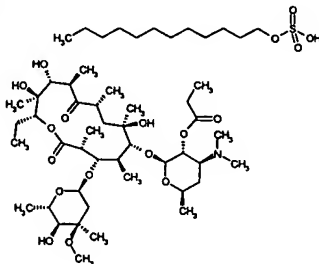
StavrovskayaSupplemental Table 1

<p>SULFAMETER Therap cat: Antibacterial</p>	<p>C₁₁H₁₂N₄O₃S</p>	<p>280.3073</p>	
<p>SULFAMETHOXPYRIMIDAZINE Therap cat: Antibacterial</p>	<p>C₁₁H₁₂N₄O₃S</p>	<p>280.3073</p>	
<p>SUXIBUZONE Therap cat: Analgesic; antipyretic; anti-inflammatory</p>	<p>C₂₄H₂₆N₂O₆</p>	<p>438.4846</p>	
<p>SULMAZOLE Therap cat: Cardiotonic</p>	<p>C₁₄H₁₃N₃O₂S</p>	<p>287.3426</p>	

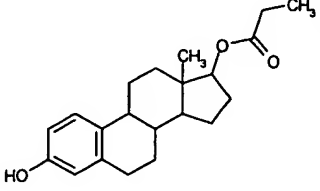
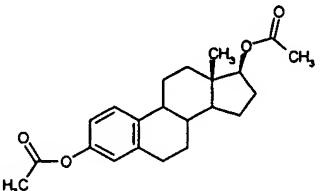
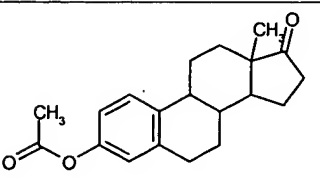
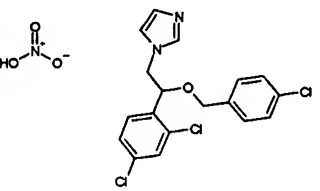
StavrovskayaSupplemental Table 1

<p>SUPROFEN Therap cat: Anti-inflammatory</p>	<p>C₁₄H₁₂O₃S</p>	<p>260.3139</p>	
<p>ACETAMINOSALOL Therap cat: analgesic, antipyretic</p>	<p>C₁₅H₁₃NO₄</p>	<p>271.2752</p>	
<p>SACCHARIN Therap cat: sweetener</p>	<p>C₇H₅NO₃S</p>	<p>183.1868</p>	
<p>AZOBENZENE Therap cat: acaricide</p>	<p>C₁₂H₁₀N₂</p>	<p>182.2269</p>	

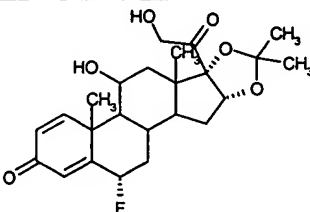
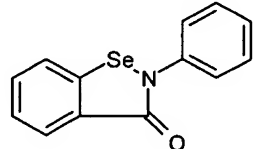
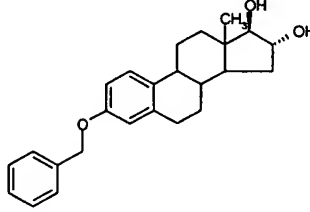
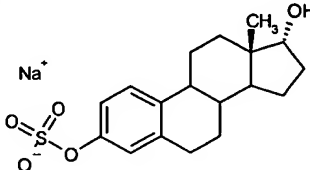
StavrovskayaSupplemental Table 1

ACETANILIDE Therap cat: analgesic, antipyretic	C8H9NO	135.167	
TODRALAZINE HYDROCHLORIDE Therap cat: antihypertensive, peripheral vasodilator	C11H13ClN4O2	268.7049	
FLURANDRENOLIDE Therap cat: antiinflammation	C24H33FO6	436.5254	
ERYTHROMYCIN PROPIONATE LAURYL SULFATE Therap cat: antibiotic	C52H97NO18S	1056.413	

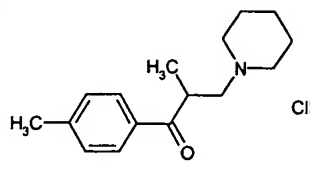
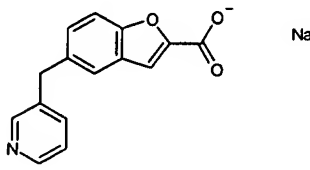
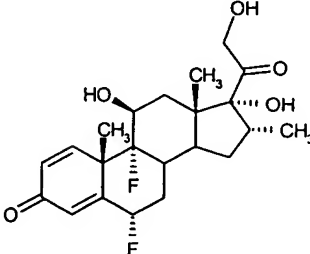
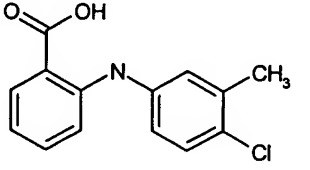
Stavrovskaya Supplemental Table 1

<p>ESTRADIOL PROPIONATE Therap cat: estrogen</p>	<p>C₂₁H₂₈O₃</p>	<p>328.4555</p>	
<p>ESTRADIOL DIACETATE Therap cat: estrogen</p>	<p>C₂₂H₂₈O₄</p>	<p>356.4661</p>	
<p>ESTRONE ACETATE Therap cat: estrogen</p>	<p>C₂₀H₂₄O₃</p>	<p>312.4125</p>	
<p>ECONAZOLE NITRATE Therap cat: antifungal</p>	<p>C₁₈H₁₆Cl₃N₃O₄</p>	<p>444.7049</p>	

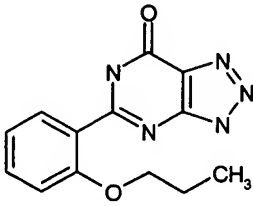
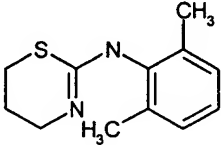
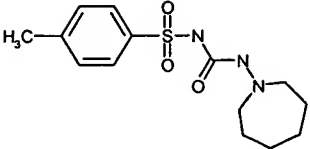
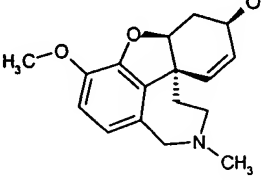
StavrovskayaSupplemental Table 1

<p>FLUNISOLIDE Therap cat: antiinflammatory</p>	C24H31FO6	434.5095	
<p>EBSELEN Therap cat: antioxidant, lipoxygenase inhibitor; inhibits oxidation of LDL</p>	C13H9NOSe	274.1828	
<p>ESTRIOL BENZYL ETHER Therap cat: estrogen</p>	C25H30O3	378.5161	
<p>ESTRADIOL-3- SULFATE, SODIUM SALT Therap cat: estrogen</p>	C18H23NaO5S	374.4348	

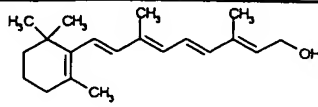
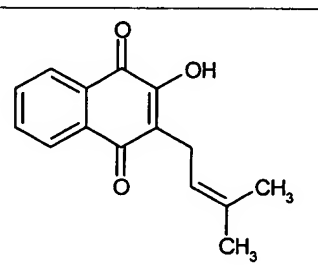
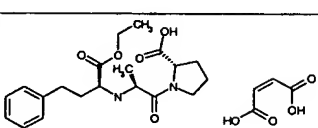
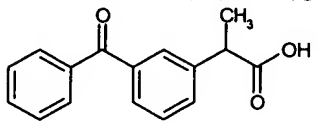
StavrovskayaSupplemental Table 1

<p>TOLPERISONE HYDROCHLORIDE Therap cat: skeletal muscle relaxant</p>	<p>C16H24ClNO</p>	<p>281.8288</p>	
<p>FUREGRELATE SODIUM Therap cat: thromboxane synthetase inhibitor</p>	<p>C15H10NNaO3</p>	<p>275.2417</p>	
<p>FLUMETHASONE Therap cat: antiinflammation</p>	<p>C22H28F2O5</p>	<p>410.4623</p>	
<p>TOLFENAMIC ACID Therap cat: antiinflammation, analgesia</p>	<p>C14H12ClNO2</p>	<p>261.7102</p>	

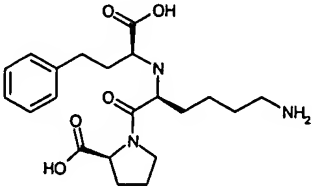
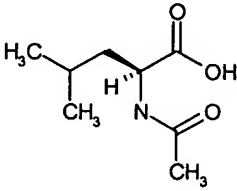
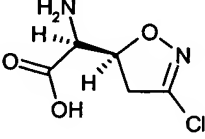
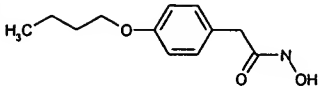
StavrovskayaSupplemental Table 1

<p>ZAPRINAST Therap cat: inhibitor of cGMP phosphodiesterase</p>	<p>C13H13N5O2</p>	<p>271.2809</p>	
<p>XYLAZINE Therap cat: analgesic</p>	<p>C12H16N2S</p>	<p>220.3387</p>	
<p>TOLAZAMIDE Therap cat: antidiabetic</p>	<p>C14H21N3O3S</p>	<p>311.4058</p>	
<p>GALANTHAMINE HYDROBROMIDE Therap cat: cholinesterase inhibitor, analgesic anti-Alzheimer</p>	<p>C17H22BrNO3</p>	<p>368.2738</p>	 <p>BrH</p>

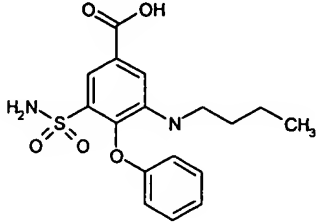
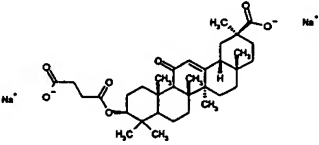
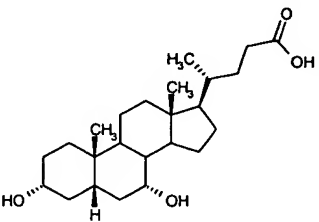
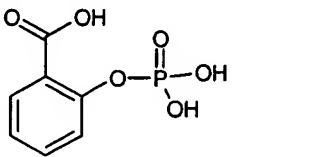
StavrovskayaSupplemental Table 1

RETINOL Therap cat: vitamin A	C20H30O	286.4615	
LAPACHOL Therap cat: anticancer, anticoagulant Cancer Chemother Rep (part 2) 4: 11 (1974)	C15H14O3	242.277	
ENALAPRIL MALEATE Therap cat: ACE inhibitor; antihypertension	C24H32N2O9	492.5306	
KETOPROFEN Therap cat: antiinflammatory	C16H14O3	254.2882	

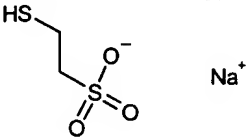
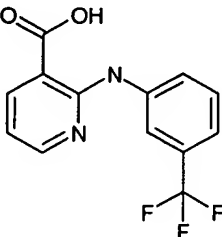
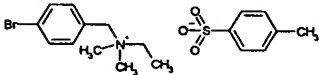
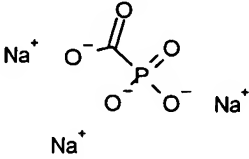
StavrovskayaSupplemental Table 1

<p>LISINOPRIL Therap cat: ACE inhibitor</p>	<p>C₂₁H₃₁N₃O₅</p>	<p>405.4983</p>	
<p>ACETYL-L-LEUCINE Therap cat: antivertigo</p>	<p>C₈H₁₅NO₃</p>	<p>173.2137</p>	
<p>ACIVICIN Therap cat: anticancer</p>	<p>C₅H₇ClN₂O₃</p>	<p>178.5761</p>	
<p>BUFEXAMAC Therap cat: antiinflammatory, analgesic, antipyretic</p>	<p>C₁₂H₁₇NO₃</p>	<p>223.2742</p>	

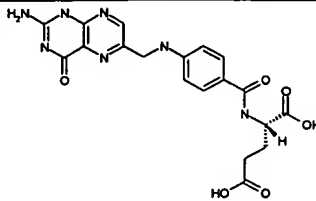
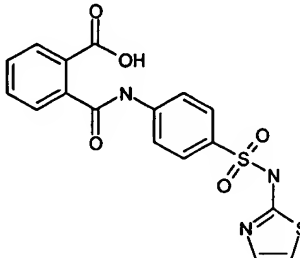
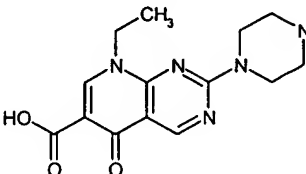
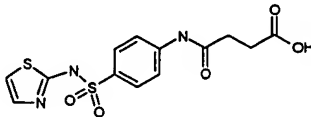
StavrovskayaSupplemental Table 1

BUMETANIDE Therap cat: diuretic	C17H20N2O5S	364.4234	
CARBENOXOLONE SODIUM Therap cat: antiinflammatory, antisecretory, antiulcer	C34H48Na2O7	614.7371	
CHENODIOL Therap cat: anticholithogenic, antilipemic	C24H40O4	392.584	
FOSFOSAL Therap cat: analgesic, antiinflammatory	C7H7O6P	218.104	

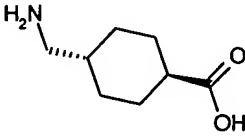
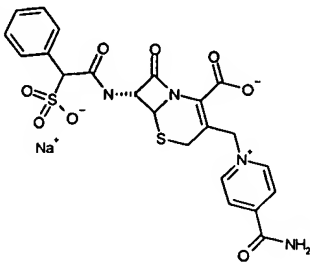
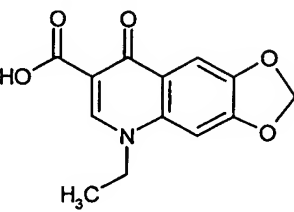
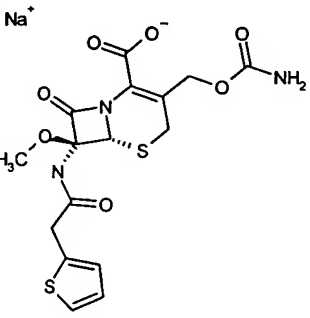
StavrovskayaSupplemental Table 1

MESNA Therap cat: mucolytic	C ₂ H ₅ NaO ₃ S ₂	164.1782	
NIFLUMIC ACID Therap cat: analgesic, antiinflammatory	C ₁₃ H ₉ F ₃ N ₂ O ₂	282.2241	
BRETYLIUM TOSYLATE Therap cat: inhibitor of norepinephrine release	C ₁₈ H ₂₄ BrNO ₃ S	414.3649	
FOSCARNET Therap cat: antiviral	CNa ₃ O ₅ P	191.9514	

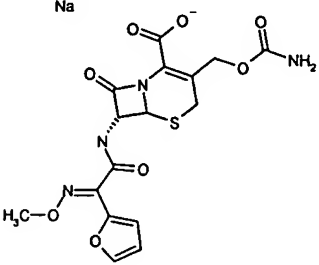
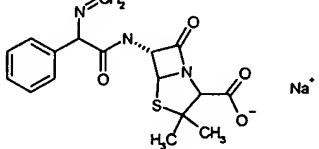
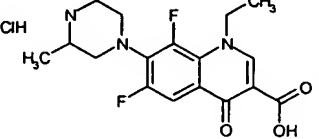
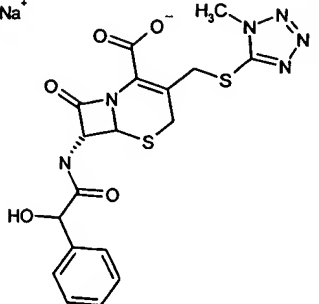
StavrovskayaSupplemental Table 1

FOLIC ACID Therap cat: hematopoietic vitamin	C19H19N7O6	441.4066	
PHTHALYLSULFATHIAZOLE Therap cat: antimicrobial	C17H13N3O5S2	403.4383	
PIPEMIDIC ACID Therap cat: antimicrobial	C14H17N5O3	303.3233	
SUCCINYLSULFATHIAZOLE Tharap cat: antimicrobial	C13H13N3O5S2	355.3937	

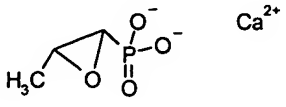
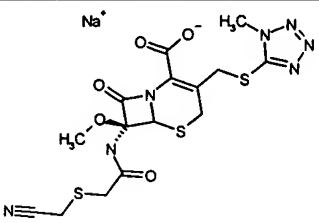
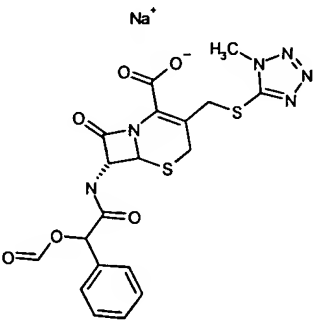
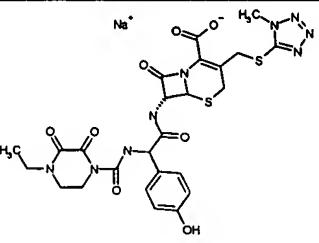
StavrovskayaSupplemental Table 1

<p>TRANEXAMIC ACID</p> <p>Therap cat: hemostatic</p>	<p>C₈H₁₅NO₂</p>	<p>157.2143</p>	
<p>CEFSULODIN SODIUM</p> <p>Therap cat: antimicrobial</p>	<p>C₂₂H₁₉N₄NaO₈S 2</p>	<p>554.5365</p>	
<p>OXOLINIC ACID</p> <p>Therap cat: antimicrobial</p>	<p>C₁₃H₁₁NO₅</p>	<p>261.2363</p>	
<p>CEFOXITIN SODIUM</p> <p>Therap cat: antimicrobial</p>	<p>C₁₆H₁₆N₃NaO₇S 2</p>	<p>449.4396</p>	

StavrovskayaSupplemental Table 1

<p>CEFUROXIME SODIUM Therap cat: antimicrobial</p>	<p>C₁₆H₁₅N₄NaO₈S</p>	<p>446.3738</p>	<p>Na⁺</p> 
<p>METAMPICILLIN SODIUM Therap cat: antimicrobial</p>	<p>C₁₇H₁₈N₃NaO₄S</p>	<p>383.4045</p>	<p>Na⁺</p> 
<p>LOMEFLOXACIN HYDROCHLORIDE Therap cat: antimicrobial</p>	<p>C₁₇H₂₀ClF₂N₃O₃</p>	<p>387.8171</p>	<p>ClH</p> 
<p>CEFAMANDOLE SODIUM Therap cat: antimicrobial</p>	<p>C₁₈H₁₇N₆NaO₅S 2</p>	<p>484.4912</p>	<p>Na⁺</p> 

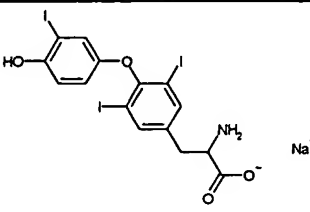
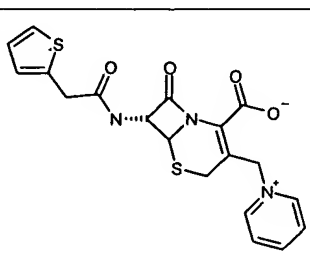
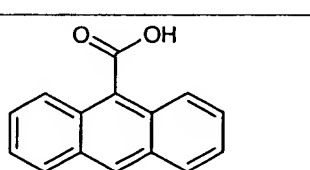
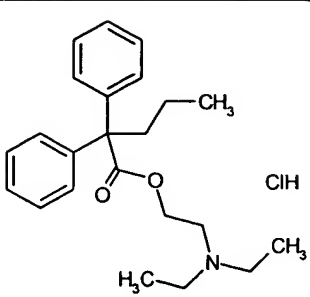
StavrovskayaSupplemental Table 1

FOSPHOMYCIN Therap cat: antimicrobial	C3H5CaO4P	176.1247	
CEFMETAZOLE SODIUM Therap cat: antimicrobial	C15H16N7NaO5S 3	493.5205	
CEFAMANDOLE NAFATE Therap cat: antimicrobial	C19H17N6NaO6S 2	512.5017	
CEFOPERAZOLE SODIUM Therap cat: antimicrobial	C25H26N9NaO8S 2	667.6593	

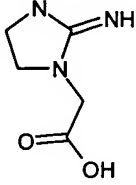
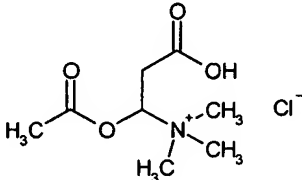
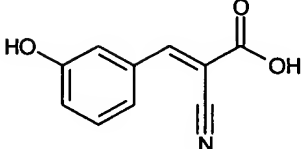
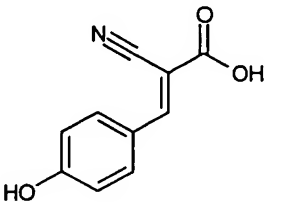
StavrovskayaSupplemental Table 1

PRALIDOXIME MESYLATE Therap cat: cholinesterase reactivator	C ₈ H ₁₂ N ₂ O ₄ S	232.2598	
OFLOXACIN Therap cat: antimicrobial	C ₁₈ H ₂₀ FN ₃ O ₄	361.3762	
PIROMIDIC ACID Therap cat: antimicrobial	C ₁₄ H ₁₆ N ₄ O ₃	288.3086	
BEZAFIBRATE Therap cat: antilipemic	C ₁₉ H ₂₀ ClNO ₄	361.8286	

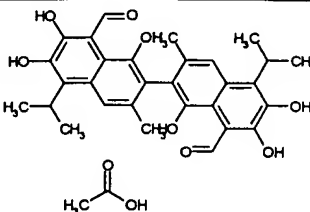
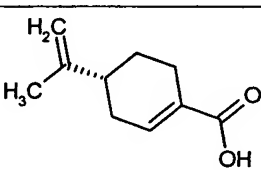
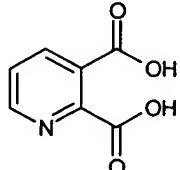
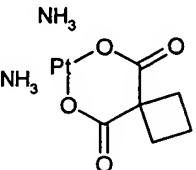
Stavrovskaya Supplemental Table 1

<p>LIOTHYRONINE SODIUM Therap cat: thyroid hormone</p>	C15H11I3NNaO4	672.9622	
<p>CEPHALORIDINE Therap cat: antimicrobial</p>	C19H17N3O4S2	415.493	
<p>ANTHRACENE-9-CARBOXYLIC ACID (9-AC) Therap cat: Cl transport inhibitor Am J Physiol 262: C803 (1992)</p>	C15H10O2	222.2458	
<p>PROADIFEN HYDROCHLORIDE [SKF-525A] Therap cat: cytochrome P-450 inhibitor; Ca antagonist</p>	C23H32ClNO2	389.97	

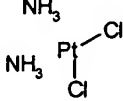
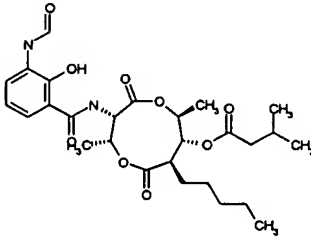
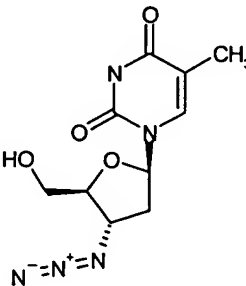
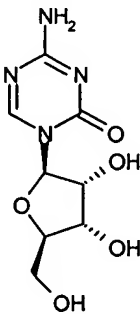
StavrovskayaSupplemental Table 1

<p>CYCLOCREATINE Therap cat: regulator of creatine biosynthesis</p>	<p>C₅H₉N₃O₂</p>	<p>143.1464</p>	
<p>ACETYL CarnITINE Therap cat: cholinergic agonist</p>	<p>C₈H₁₆CINO₄</p>	<p>225.674</p>	
<p>alpha-CYANO-3-HYDROXYCINNAMIC ACID Therap cat: inhibitor of mitochondrial pyruvate transport</p>	<p>C₁₀H₇NO₃</p>	<p>189.1722</p>	
<p>alpha-CYANO-4-HYDROXYCINNAMIC ACID Therap cat: inhibitor of mitochondrial pyruvate transport</p>	<p>C₁₀H₇NO₃</p>	<p>189.1722</p>	

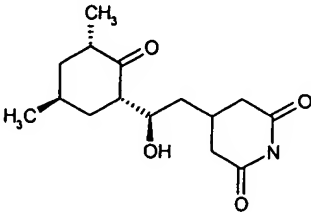
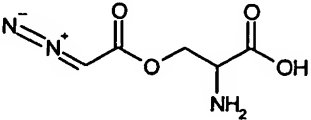
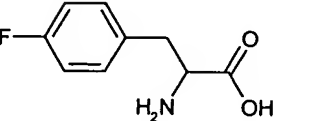
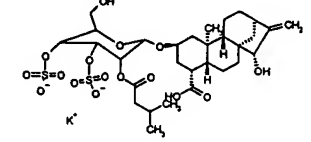
StavrovskayaSupplemental Table 1

GOSSYPOL-ACETIC ACID COMPLEX Therap cat: male contraceptive	C32H34O10	578.6218	
PERILLIC ACID (-) Therap cat: inhibits post- translational cysteine isoprenylation blocks G-protein activity	C10H14O2	166.2219	
QUINOLINIC ACID Therap cat: differentiates between cerebral and forebrain NMDA receptors	C7H5NO4	167.1222	
CARBOPLATIN Therap cat: antineoplastic; convulsant crosslinks DNA	C6H12N2O4Pt	371.2635	

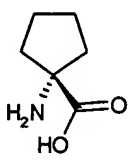
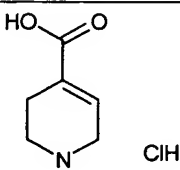
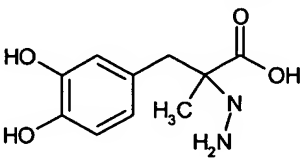
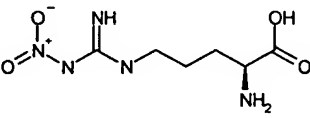
StavrovskayaSupplemental Table 1

<p>CISPLATIN</p> <p>Therap cat: antineoplastic; convulsant crosslinks DNA</p>	<p>H6Cl2N2Pt</p>	<p>300.0572</p>	
<p>ANTIMYCIN A (A1 shown)</p> <p>Therap cat: antifungal, antiviral interferes in cytochrome oxidation</p>	<p>C27H38N2O9</p>	<p>534.6119</p>	
<p>ZIDOVUDINE [AZT]</p> <p>Therap cat: RT transferase inhibitor antiviral</p>	<p>C10H13N5O4</p>	<p>267.2462</p>	
<p>5-AZACYTIDINE</p> <p>Therap cat: Antineoplastic pyrimidine antimetabolite: inhibits nucleic acid replication</p>	<p>C8H12N4O5</p>	<p>244.2086</p>	

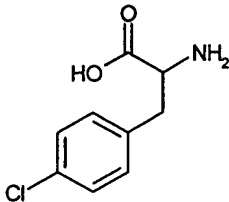
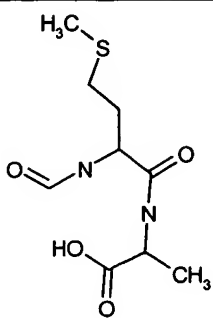
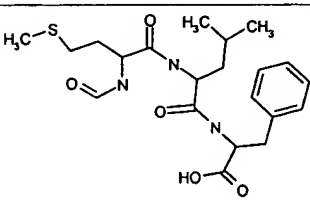
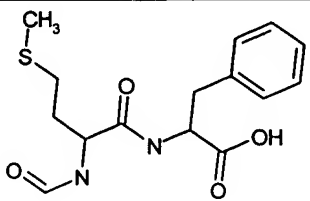
StavrovskayaSupplemental Table 1

<p>CYCLOHEXIMIDE Therap cat: inhibits protein synthesis</p>	<p>C15H23NO4</p>	<p>281.3549</p>	
<p>AZASERINE Therap cat; antineoplastic aminoacid antagonist; inhibits protein and nucleic acid synthesis</p>	<p>C5H7N3O4</p>	<p>173.1292</p>	
<p>p-FLUOROPHENYLALANINE Therap cat; aminoacid antagonist protein synthesis inhibitor</p>	<p>C9H10FNO2</p>	<p>183.184</p>	
<p>ATRACTYLOSIDE Therap cat: inhibits oxidative phosphorylation and adenosine nucleotide transfer</p>	<p>C30H44K2O16S2</p>	<p>803.0076</p>	

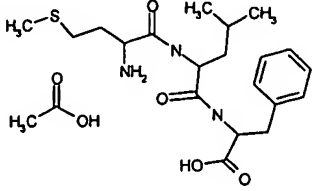
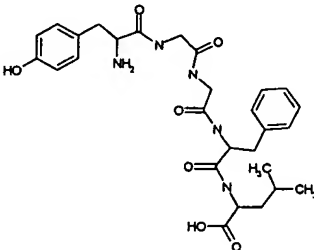
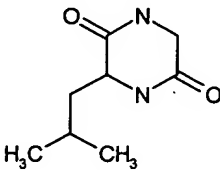
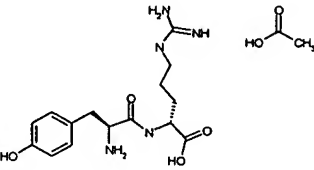
StavrovskayaSupplemental Table 1

<p>CYCLOLEUCINE</p> <p>Therap cat: NMDA receptor antagonist (gly)</p>	C ₆ H ₁₁ NO ₂	129.1601	
<p>ISOGUVACINE HYDROCHLORIDE</p> <p>Therap cat: GABA agonist</p>	C ₆ H ₁₀ ClNO ₂	163.6051	
<p>CARBIDOPA</p> <p>Therap cat: Decarboxylase inhibitor; adjunct to levodopa in parkinsonism</p>	C ₁₀ H ₁₄ N ₂ O ₄	226.2341	
<p>N(g)-NITRO-L- ARGININE</p> <p>Therap cat: NO synthase inhibitor</p>	C ₆ H ₁₃ N ₅ O ₄	219.2016	

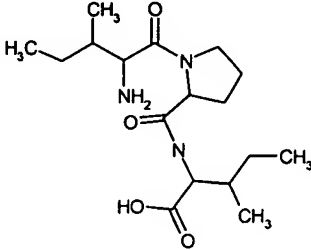
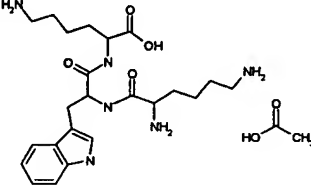
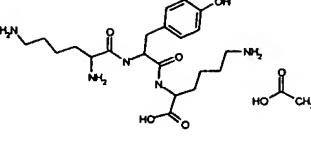
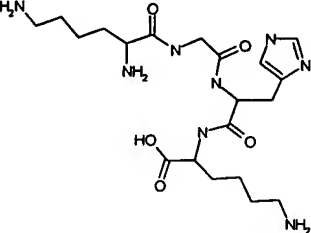
StavrovskayaSupplemental Table 1

<p>p-CHLOROPHENYLALANINE</p> <p>Therap cat: Irreversible inhibitor of tryptophan hydroxylase</p>	C9H10ClNO2	199.6386	
<p>N-FORMYLMETHIONYLALANINE</p> <p>Therap cat: Chemotactic peptide</p>	C9H16N2O4S	248.3029	
<p>N-FORMYLMETHIONYLLEUCYLPHENYLALANINE</p> <p>Therap cat: Chemotactic peptide</p>	C21H31N3O5S	437.5623	
<p>N-FORMYLMETHIONYLPHENYLALANINE</p> <p>Therap cat: chemotactic peptide</p>	C15H20N2O4S	324.4017	

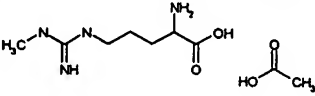
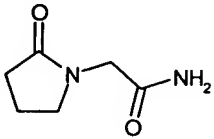
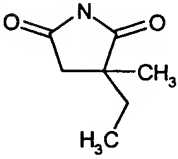
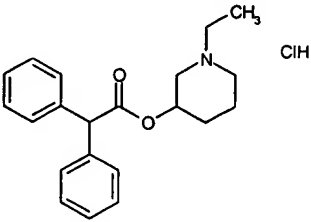
StavrovskayaSupplemental Table 1

<p>METHIONYL- LEUCYLPHENYLALANI NE ACETATE Therap cat: chemotactic peptide</p>	<p>C22H35N3O6S</p>	<p>469.6048</p>	
<p>LEUCINE ENKEPHALIN Therap cat: Opioid neuromodulator</p>	<p>C28H37N5O7</p>	<p>555.6364</p>	
<p>CYCLOLEUCYLGLYCIN E Therap cat: inhibitor of narcotic induced dopamine receptor sensitivity</p>	<p>C8H14N2O2</p>	<p>170.213</p>	
<p>d[-Arg-2]KYOTORPHAN ACETATE Therap cat: analgesic</p>	<p>C17H27N5O6</p>	<p>397.4346</p>	

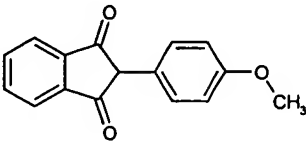
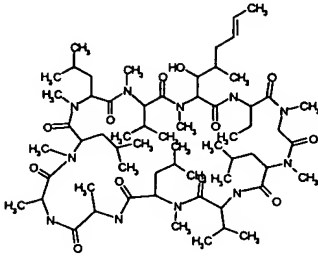
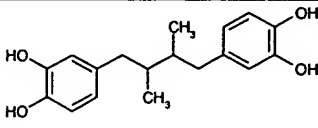
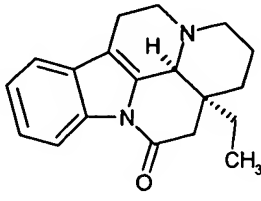
StavrovskayaSupplemental Table 1

<p>DIPROTIN A Therap cat: Dipeptidyl peptidase inhibitor HIV inhibitor</p>	<p>C17H31N3O4</p>	<p>341.4543</p>	 <p>The chemical structure of Diprotin A is a cyclic peptide derivative. It features a five-membered ring containing a nitrogen atom. Attached to the ring are a side chain with a methyl group and an amide group, and another side chain with a carboxylic acid group and a methyl group.</p>
<p>LYSYLTRYPTOPHANYL- LYSINE ACETATE Therap cat: binds to DNA Biochemistry 17: 2096 (1978)</p>	<p>C25H40N6O6</p>	<p>520.6342</p>	 <p>The chemical structure shows a complex molecule with multiple amide bonds. It includes a tryptophan residue (indole ring), a lysine residue (long chain with terminal amine), and a lysine acetate residue (long chain with terminal amine and an acetate group).</p>
<p>LYSYL-TYROSYL- LYSINE ACETATE Therap cat: Induces nicks at apurinic and apyrimidinic sites in circular DNA [J Biol Chem 256: 10217 (1981)]</p>	<p>C23H39N5O7</p>	<p>497.5966</p>	 <p>The chemical structure shows a complex molecule with multiple amide bonds. It includes a tyrosine residue (phenol ring), a lysine residue (long chain with terminal amine), and a lysine acetate residue (long chain with terminal amine and an acetate group).</p>
<p>SPARC Therap cat: Stimulates angiogenesis [J Cell Biol 125: 929 (1994)]</p>	<p>C20H36N8O5</p>	<p>468.5605</p>	 <p>The chemical structure shows a complex molecule with multiple amide bonds. It includes a pyrazole ring, a carboxylic acid group, and several amine groups.</p>

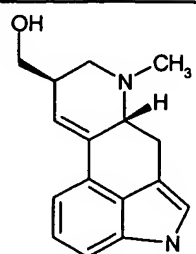
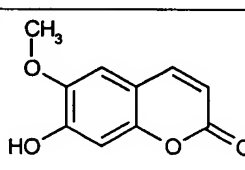
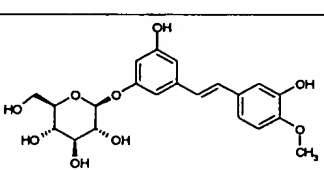
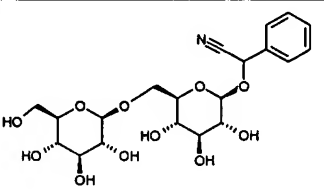
StavrovskayaSupplemental Table 1

<p>Ng-METHYL-L- ARGININE ACETATE Therap cat: Inhibitor of NO synthase [Biochem Biophys Res Comm 177: 828 (1991)]</p>	C9H20N4O4	248.2842	
<p>PIRACETAM Therap cat: antinauseant</p>	C6H10N2O2	142.1588	
<p>ETHOSUXIMIDE Therap cat: Anticonvulsant</p>	C7H11NO2	141.1712	
<p>PIPERIDOLATE HYDROCHLORIDE Therap cat: antispasmodic</p>	C21H26ClNO2	359.8999	

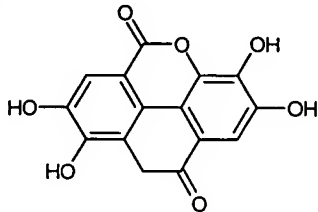
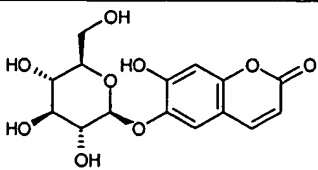
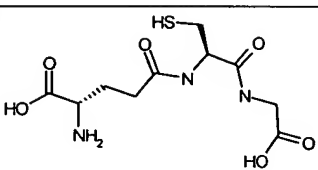
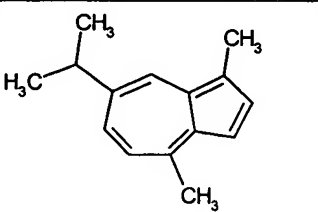
StavrovskayaSupplemental Table 1

ANISINDIONE Therap cat: anticoagulant	C16H12O3	252.2722	
CYCLOSPORIN A from Tolypocladium inflatum (Trichoderma polysporin) Therap cat: immune suppressant Helv Chim Acta 60: 1568 (1977)	C62H111N11O12	1202.642	
NORDIHYDROGUARET IC ACID Therap cat: lipoxygenase inhibitor	C18H22O4	302.3736	
EBURNAMONINE Therap cat: vasodilator	C19H22N2O	294.4	

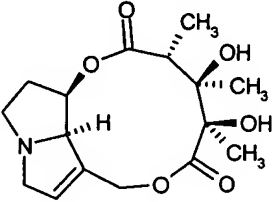
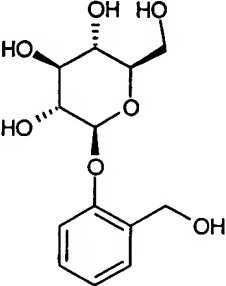
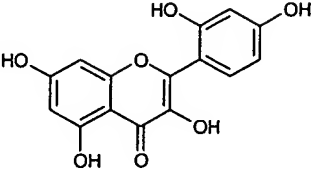
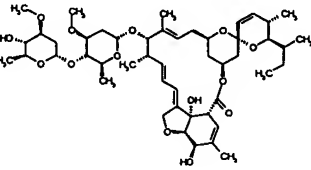
StavrovskayaSupplemental Table 1

<p>LYSERGOL</p> <p>Therap cat: depressant</p> <p>Phytochem 12: 2435</p> <p>(1973)</p>	C16H18N2O	254.3347	
<p>SCOPOLETIN</p> <p>Therap cat: antispasmodic</p>	C10H8O4	192.1729	
<p>RHAPONTIN</p> <p>Therap cat: antifungal, antioxidant</p>	C21H24O9	420.42	
<p>AMYGDALIN</p> <p>Therap cat: antiinflammation, experimental antineoplastic</p>	C20H27NO11	457.4383	

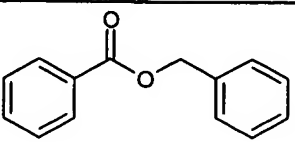
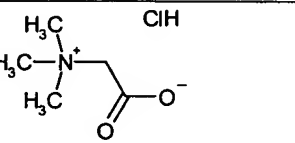
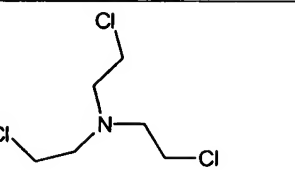
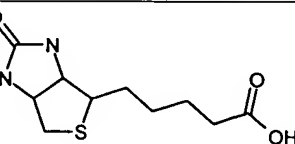
StavrovskayaSupplemental Table 1

<p>ELLAGIC ACID</p> <p>Therap cat: hemostat, antineoplastic, antimutagenic</p>	C15H8O7	300.2268	
<p>ESCULIN</p> <p>Therap cat: antiinflammatory agent</p>	C15H16O9	340.2894	
<p>GLUTATHIONE</p> <p>Therap cat: heavy metal poisoning; antioxidant Pharm Biol 11: 539 (1968)</p>	C10H17N3O6S	307.3275	
<p>GUAIAZULENE</p> <p>Therap cat: antioxidant, antiinflammation, hepatoprotectant</p>	C15H18	198.3107	

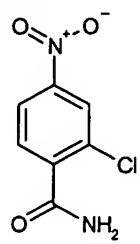
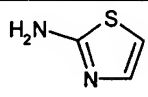
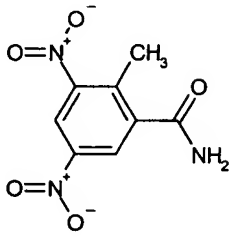
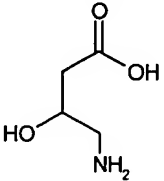
StavrovskayaSupplemental Table 1

<p>MONOCROTALINE Therap cat: antineoplastic, insect sterilant JACS 72: 158 (1950)</p>	<p>C16H23NO6</p>	<p>325.3648</p>	
<p>SALICIN Therap cat: Analgesic, antipyretic</p>	<p>C13H18O7</p>	<p>286.2842</p>	
<p>MORIN Therap cat: anti-HIV agent</p>	<p>C15H10O7</p>	<p>302.2428</p>	
<p>AVERMECTIN B1 Therap cat: antiparasitic</p>	<p>C48H72O14</p>	<p>873.1006</p>	

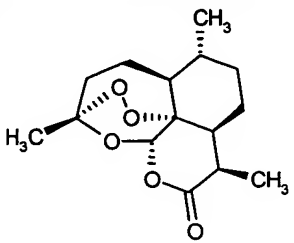
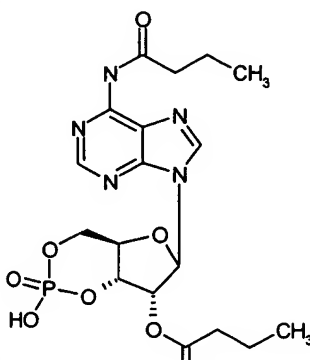
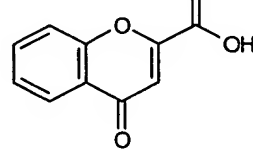
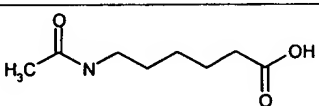
StavrovskayaSupplemental Table 1

BENZYL BENZOATE Therap cat: scabicide	C ₁₄ H ₁₂ O ₂	212.2505	
BETAINE HYDROCHLORIDE Therp cat: antiarteriosclerotic hypolipaemic, hepatoprotectant	C ₅ H ₁₂ ClNO ₂	153.6099	
TRICHLORMETHINE Therap cat: antineoplastic, cytotoxic	C ₆ H ₁₂ Cl ₃ N	204.5282	
BIOTIN Therap cat: Vitamin B complex	C ₁₀ H ₁₆ N ₂ O ₃ S	244.3146	

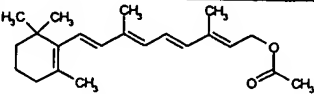
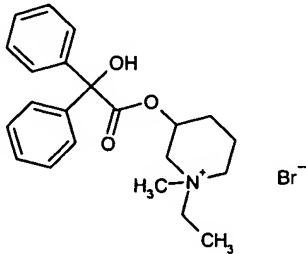
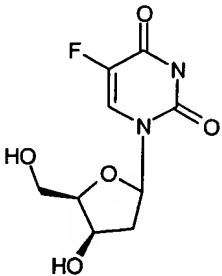
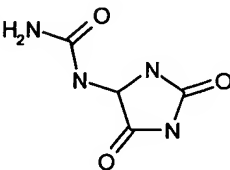
StavrovskayaSupplemental Table 1

AKLOMIDE Therap cat: antiprotosoal	C7H5ClN2O3	200.5825	
AMINOTHIAZOLE Therap cat: antithyroid agent	C3H4N2S	100.1427	
DINITOLMIDE Therap cat: antiprotzoal	C8H7N3O5	225.1621	
AMINOHYDROXYBUTYRIC ACID Therap cat: antiepileptic	C4H9NO3	119.1212	

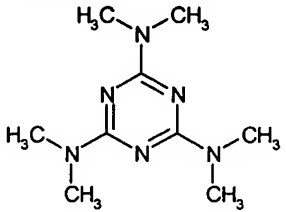
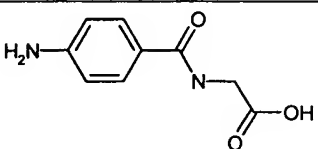
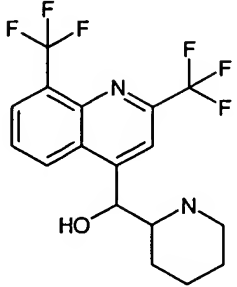
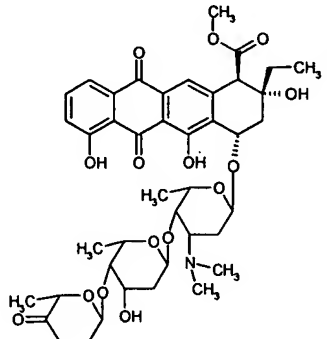
StavrovskayaSupplemental Table 1

ARTEMISININ Therap cat: antimalarial	C ₁₅ H ₂₂ O ₅	282.3396	
BUCLADESINE Therap cat: vasodilator	C ₁₈ H ₂₄ N ₅ O ₈ P	469.3945	
CHROMOCARB Therap cat: vascular protectant	C ₁₀ H ₆ O ₄	190.1569	
ACEXAMIC ACID Therap cat: wound healing	C ₈ H ₁₅ NO ₃	173.2137	

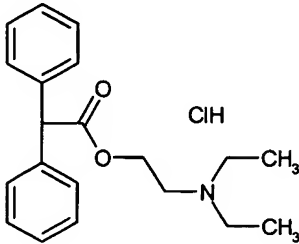
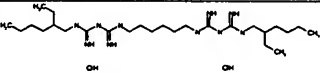
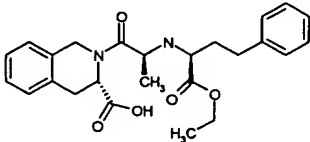
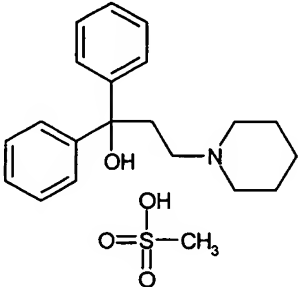
StavrovskayaSupplemental Table 1

RETINYL ACETATE Therap cat: vitamin precursor	C22H32O2	328.4991	
PIPENZOLATE BROMIDE Therap cat: spasmolytic	C22H28BrNO3	434.3774	
FLOXURIDINE Therap cat: antineoplastic, antimetabolite	C9H11FN2O5	246.1968	
ALLANTOIN Therap cat: wound healing	C4H6N4O3	158.1174	

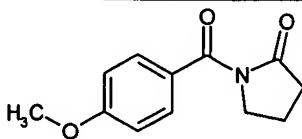
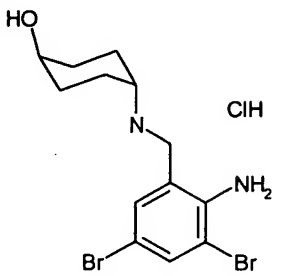
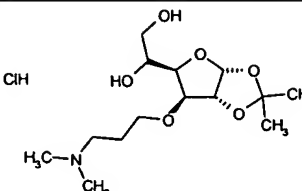
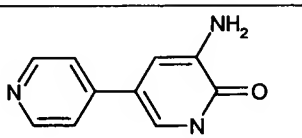
StavrovskayaSupplemental Table 1

ALTRETAMINE Therap cat: antineoplastic	C ₉ H ₁₈ N ₆	210.284	
AMINOHIPPURIC ACID Therap cat: renal function diagnosis	C ₉ H ₁₀ N ₂ O ₃	194.1917	
MEFLOQUINE Therap cat: antimalarial	C ₁₇ H ₁₆ F ₆ N ₂ O	378.3203	
ACLARUBICIN Therap cat: antineoplastic	C ₄₂ H ₅₃ NO ₁₅	811.8884	

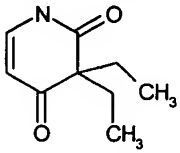
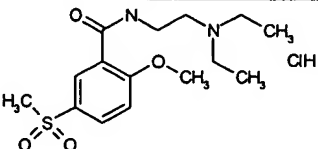
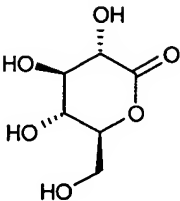
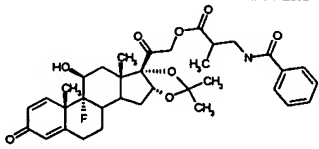
Stavrovskaya Supplemental Table 1

ADIPHENINE HYDROCHLORIDE Therap cat: smooth muscle relaxant	C20H26ClNO2	347.8887	
ALEXIDINE HYDROCHLORIDE Therap cat: antibacterial	C26H58Cl2N10	581.7252	
QUINAPRIL Therap cat: antihypertensive, ACE inhibitor	C25H30N2O5	438.5283	
PRIDINOL METHANESULFONATE Therap cat: anticholinergic	C21H29NO4S	391.5336	

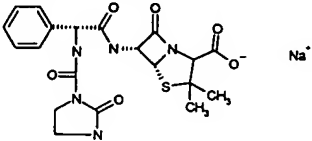
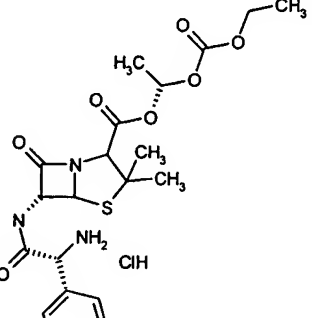
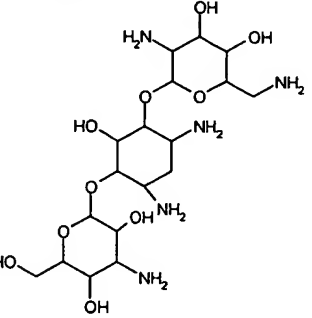
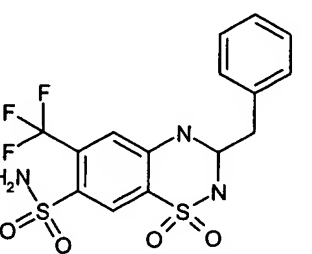
StavrovskayaSupplemental Table 1

ANIRACETAM Therap cat: cognitive enhancer	C ₁₂ H ₁₃ NO ₃	219.2423	
AMBROXOL HYDROCHLORIDE Therap cat: expectorant	C ₁₃ H ₁₉ Br ₂ ClN ₂ O	414.5702	
AMIPRILOSE Therap cat: immunomodulator, antiinflammatory	C ₁₄ H ₂₈ ClNO ₆	341.8354	
AMRINONE Therap cat: cardiac stimulant	C ₁₀ H ₉ N ₃ O	187.2027	

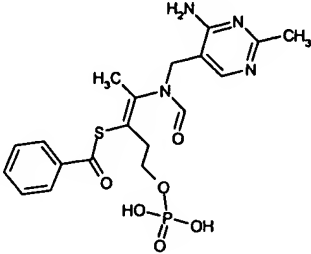
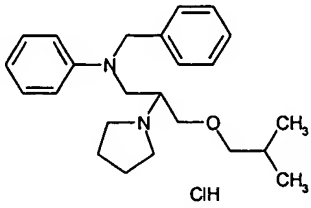
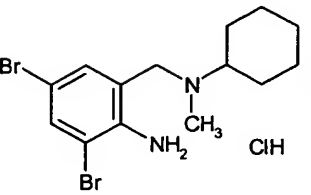
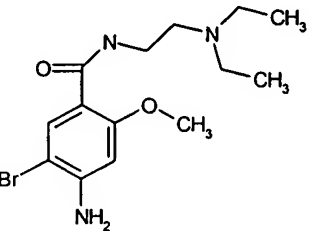
StavrovskayaSupplemental Table 1

<p>PYRITHYLDIONE</p> <p>Therap cat: hypnotic, sedative</p>	C ₉ H ₁₃ NO ₂	167.2095	
<p>TIAPRIDE HYDROCHLORIDE</p> <p>Therap cat: neuroleptic</p>	C ₁₅ H ₂₅ ClN ₂ O ₄ S	364.8945	
<p>GLUCONOLACTONE</p> <p>Therap cat: chelating agent</p>	C ₆ H ₁₀ O ₆	178.143	
<p>TRIAMCINOLONE BENETONIDE</p> <p>Therap cat: glucocorticoid, antiinflammatory</p>	C ₃₅ H ₄₂ FNO ₈	623.7253	

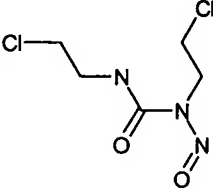
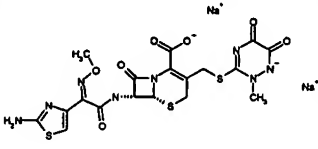
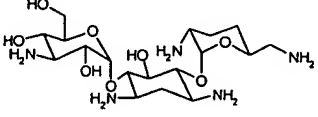
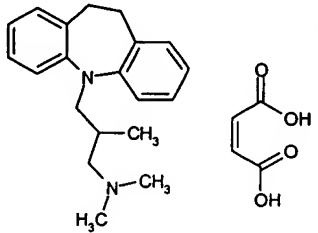
StavrovskayaSupplemental Table 1

AZLOCILLIN SODIUM Therap cat: antibiotic	C₂₀H₂₂N₅NaO₆S	483.482	
BACAMPICILLIN HYDROCHLORIDE Therap cat: antibiotic	C₂₁H₂₈CIN₃O₇S	501.9902	
BECANAMYCIN Therap cat: antibiotic	C₁₈H₃₇N₅O₁₀	483.5231	
BENDROFUMETHIAZIDE Therap cat: diuretic	C₁₅H₁₄F₃N₃O₄S₂	421.4197	

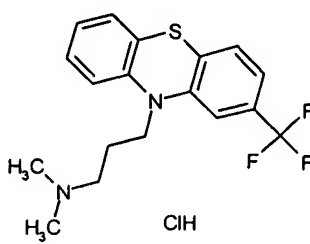
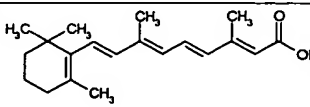
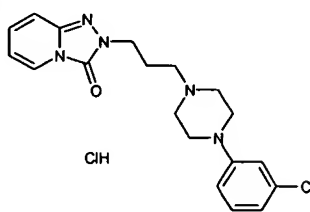
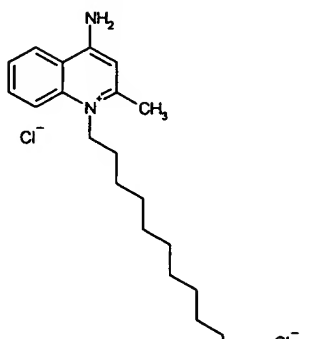
StavrovskayaSupplemental Table 1

BENFOTIAMINE Therap cat: vitamin B1	C₁₉H₂₃N₄O₆PS	466.4562	
BEPRIDIL HYDROCHLORIDE Therap cat: antiarrhythmic	C₂₄H₃₅ClN₂O	403.0124	
BROMHEXINE HYDROCHLORIDE Therap cat: expectorant	C₁₄H₂₁Br₂ClN₂	412.5979	
BROMOPRIDE Therap cat: antiemetic	C₁₄H₂₂BrN₃O₂	344.2543	

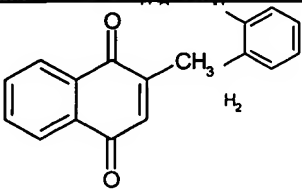
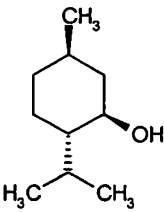
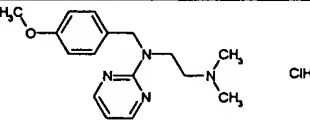
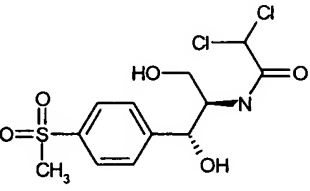
StavrovskayaSupplemental Table 1

CARMUSTINE Therap cat: antineoplastic	C₅H₉Cl₂N₃O₂	214.0524	
CEFTRIAXONE SODIUM Therap cat: antibiotic	C₁₈H₁₆N₈Na₂O₇S₃	598.5492	
DIBEKACIN Therap cat: antibiotic	C₁₈H₃₇N₅O₈	451.5243	
TRIMIPRAMINE MALEATE Therap cat: antidepressant	C₂₄H₃₀N₂O₄	410.5177	

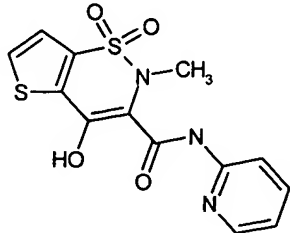
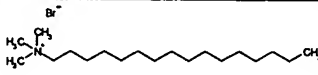
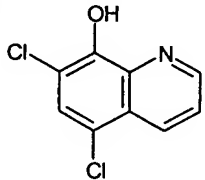
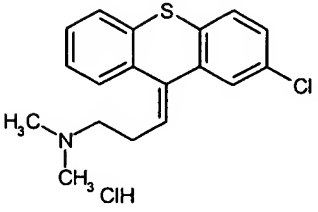
StavrovskayaSupplemental Table 1

TRIFLUPROMAZINE HYDROCHLORIDE Therap cat: antipsychotic	C ₁₈ H ₂₀ ClF ₃ N ₂ S	388.8857	
TRETINON Therap cat: keratolytic	C ₂₀ H ₂₈ O ₂	300.445	
TRAZODONE HYDROCHLORIDE Therap cat: antidepressant	C ₁₉ H ₂₃ Cl ₂ N ₅ O	408.3341	
DEQUALINIUM CHLORIDE Therap cat: antiseptic	C ₃₀ H ₄₀ Cl ₂ N ₄	527.5861	

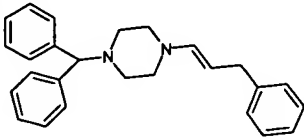
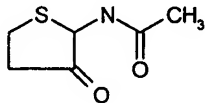
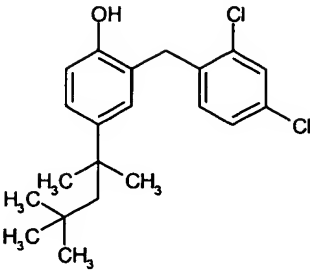
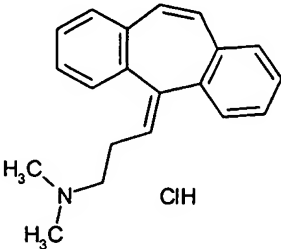
StavrovskayaSupplemental Table 1

MENADIONE Therap cat: prothrombogenic	C ₁₁ H ₈ O ₂	172.1852	
(-)-MENTHOL Therap cat: topical analgesic and antipruritic	C ₁₀ H ₂₀ O	156.2703	
THONZYLAMINE HYDROCHLORIDE Therap cat: antihistamine	C ₁₆ H ₂₃ ClN ₄ O	322.8409	
THIAMPHENICOL Therap cat: antibacterial	C ₁₂ H ₁₅ Cl ₂ NO ₅ S	356.2271	

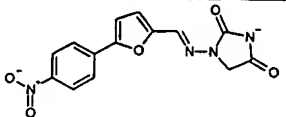
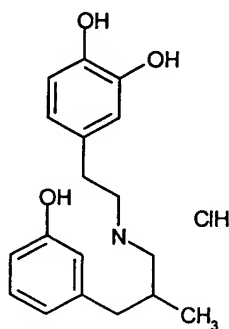
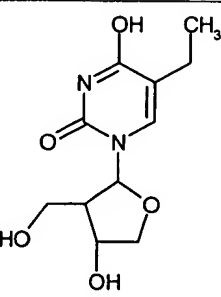
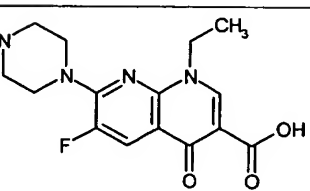
StavrovskayaSupplemental Table 1

<p>TENOXICAM Therap cat: antiinflammatory</p>	<p>C₁₃H₁₁N₃O₄S₂</p>	<p>337.3783</p>	
<p>CETRIMONIUM BROMIDE Therap cat: antiseptic</p>	<p>C₁₉H₄₂BrN</p>	<p>364.4573</p>	
<p>CHLOROXINE Therap cat: chelating agent</p>	<p>C₉H₅Cl₂NO</p>	<p>214.0523</p>	
<p>CHLORPROTHIXENE HYDROCHLORIDE Therap cat: antipsychotic</p>	<p>C₁₈H₁₉Cl₂NS</p>	<p>352.3288</p>	

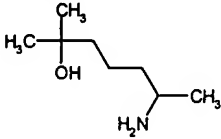
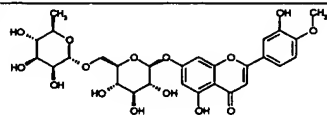
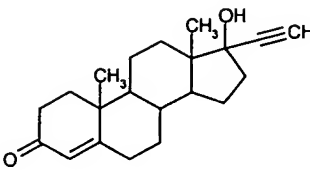
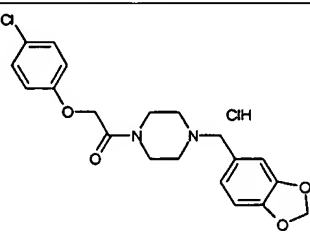
StavrovskayaSupplemental Table 1

CINNARAZINE Therap cat: H-1 antihistamine	C26H28N2	368.5265	
CITIOLONE Therap cat: hepatoprotectant	C6H9NO2S	159.2081	
CLOFOCTOL Therap cat: antibacterial	C21H26Cl2O	365.3468	
CYCLOBENZAPRINE HYDROCHLORIDE Therap cat: muscle relaxant	C20H22ClN	311.858	

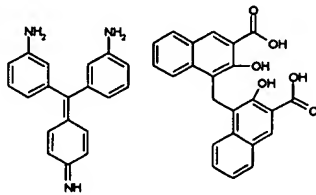
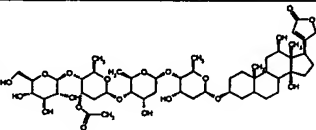
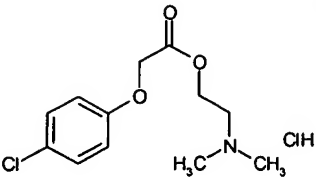
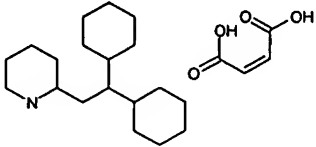
StavrovskayaSupplemental Table 1

<p>DANTROLENE SODIUM</p> <p>Therap cat: skeletal muscle relaxant</p>	<p>C₁₄H₉N₄NaO₅</p>	<p>336.2414</p>	
<p>DOBUTAMINE HYDROCHLORIDE</p> <p>Therap cat: cardiotonic</p>	<p>C₁₈H₂₄ClNO₃</p>	<p>337.8499</p>	
<p>EDOXUDINE</p> <p>Therap cat: antiviral</p>	<p>C₁₁H₁₆N₂O₅</p>	<p>256.2606</p>	
<p>ENOXACIN</p> <p>Therap cat: antibacterial</p>	<p>C₁₅H₁₇FN₄O₃</p>	<p>320.3261</p>	

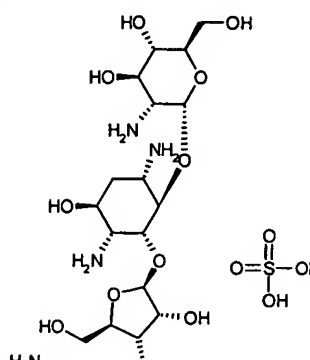
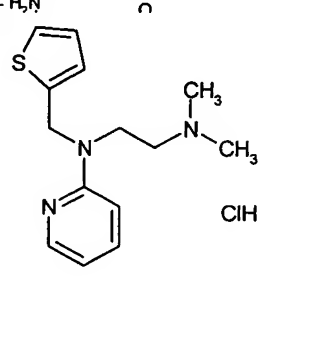
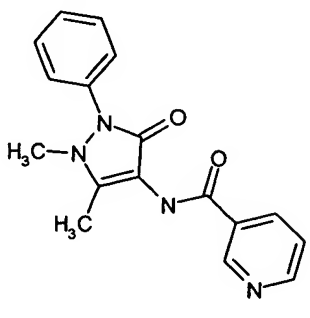
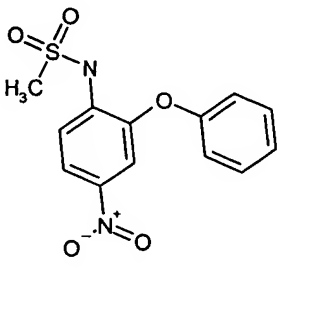
StavrovskayaSupplemental Table 1

HEPTAMINOL HYDROCHLORIDE Therap cat: vasodilator	C8H20ClNO	181.7077	
DIOSMIN Therap cat: vascular protectant	C28H32O15	608.5582	
ETHISTERONE Therap cat: progestin	C21H28O2	312.4561	
FIPEXIDE HYDROCHLORIDE Therap cat: psychostimulant	C20H22Cl2N2O4	425.3153	

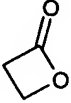
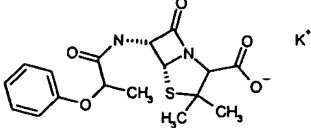
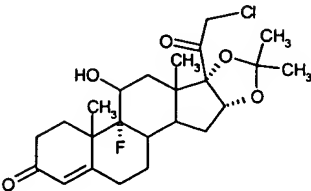
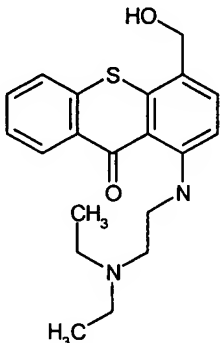
StavrovskayaSupplemental Table 1

<p>PARAROSANILINE PAMOATE Therap cat: anthelmintic, antischistosomal</p>	<p>C42H33N3O6</p>	<p>675.7478</p>	
<p>LANATOSIDE C Therap cat: cardiotonc</p>	<p>C49H76O20</p>	<p>985.1401</p>	
<p>MECLOFENOXATE HYDROCHLORIDE Therap cat: nootropic</p>	<p>C12H17Cl2NO3</p>	<p>294.1802</p>	
<p>PERHEXILLINE MALEATE Therap cat: coronary vasodilator</p>	<p>C23H39NO4</p>	<p>393.5716</p>	

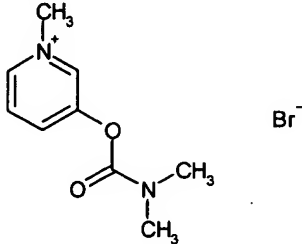
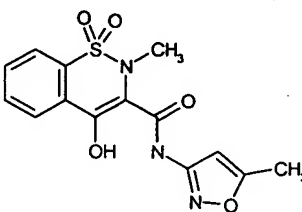
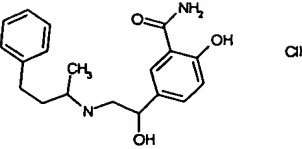
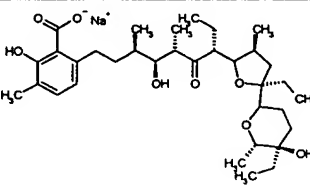
StavrovskayaSupplemental Table 1

<p>CATENULIN Therap cat: antiamebic</p>	<p>C23H47N5O18S</p>	<p>713.7177</p>	
<p>METHAPYRILENE HYDROCHLORIDE Therap cat: H-1 antihistamine</p>	<p>C14H20ClN3S</p>	<p>297.8526</p>	
<p>NIFENAZONE Therap cat: analgesic, anti-inflammatory</p>	<p>C17H16N4O2</p>	<p>308.3427</p>	
<p>NIMESULIDE Therap cat; antiinflammatory</p>	<p>C13H12N2O5S</p>	<p>308.315</p>	

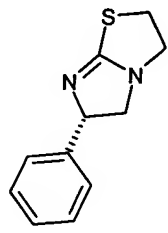
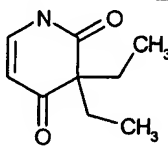
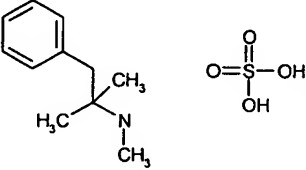
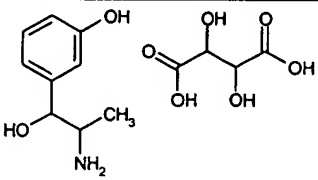
StavrovskayaSupplemental Table 1

<p>BETA-PROPIOLACTONE Therap cat: antiseptic</p>	<p>C3H4O2</p>	<p>72.06413</p>	
<p>PHENETHICILLIN POTASSIUM Therap cat: antibiotic</p>	<p>C17H19KN2O5S</p>	<p>402.5174</p>	
<p>HALCINONIDE Therap cat: glucocorticoid, antiinflammatory</p>	<p>C24H32ClFO5</p>	<p>454.971</p>	
<p>HYCANTHONE Therap cat: anthelmintic</p>	<p>C20H24N2O2S</p>	<p>356.4905</p>	

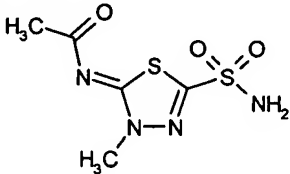
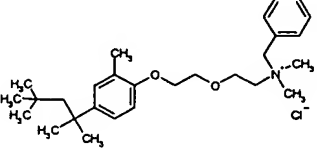
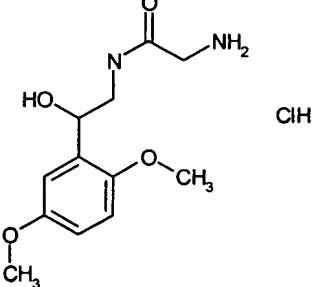
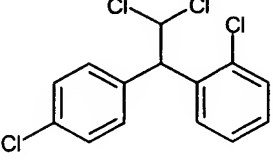
Stavrovskaya Supplemental Table 1

<p>PYRIDOSTIGMINE BROMIDE Therap cat: cholinergic</p>	<p>C₉H₁₃BrN₂O₂</p>	<p>261.1202</p>	
<p>ISOXICAM Therap cat: antiinflammatory</p>	<p>C₁₄H₁₃N₃O₅S</p>	<p>335.3408</p>	
<p>LABETALOL HYDROCHLORIDE Therap cat: adrenergic blocker</p>	<p>C₁₉H₂₅ClN₂O₃</p>	<p>364.8757</p>	
<p>LASALOCID SODIUM Therap cat: antibiotic ex Streptomyces spp. JACS 73: 5295 (1951)</p>	<p>C₃₄H₅₃NaO₈</p>	<p>612.7865</p>	

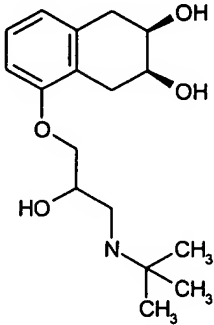
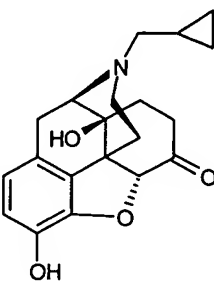
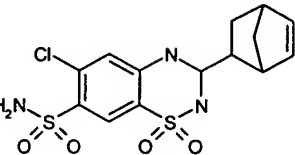
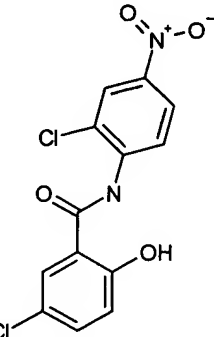
StavrovskayaSupplemental Table 1

<p>LEVAMISOLE HYDROCHLORIDE Therap cat: immunomodulator</p>	<p>C₁₁H₁₃ClN₂S</p>	<p>240.7567</p>	 <p>ClH</p>
<p>3,3-DIETHYLTETRAHYDRO PYRIDIN-2,4-DIONE Therap cat: hypnotic, sedative</p>	<p>C₉H₁₃NO₂</p>	<p>167.2095</p>	
<p>MEPHENTERMINE SULFATE Therap cat: vasoconstrictor</p>	<p>C₁₁H₁₉NO₄S</p>	<p>261.3424</p>	
<p>METARAMINOL BITARTRATE Therap cat: antihypotensive</p>	<p>C₁₃H₁₉NO₈</p>	<p>317.2983</p>	

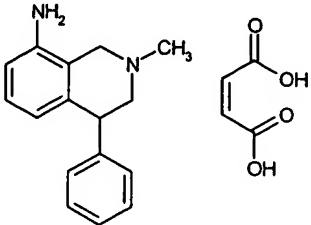
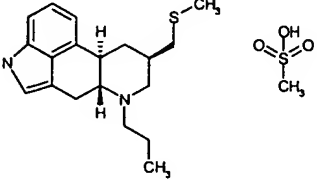
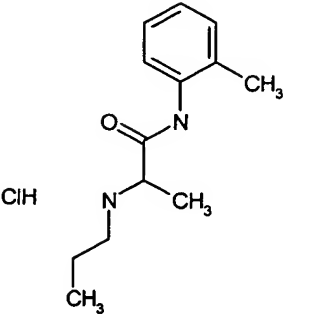
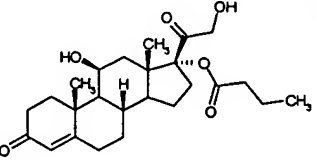
Stavrovskaya Supplemental Table 1

<p>METHAZOLAMIDE Therap cat: carbonic anhydrase inhibitor</p>	<p>C₅H₈N₄O₃S₂</p>	<p>236.2725</p>	
<p>METHYLBENZTHONIUM CHLORIDE Therap cat: topical antiseptic</p>	<p>C₂₈H₄₄ClNO₂</p>	<p>462.1214</p>	
<p>MIDODRINE HYDROCHLORIDE Therap cat: antihypertensive, vasoconstrictor</p>	<p>C₁₂H₁₉ClN₂O₄</p>	<p>290.7492</p>	
<p>MITOTANE Therap cat: antineoplastic</p>	<p>C₁₄H₁₀Cl₄</p>	<p>320.0478</p>	

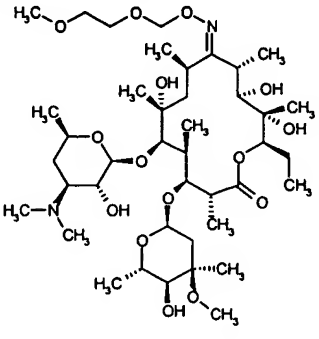
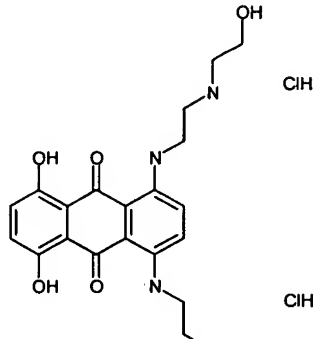
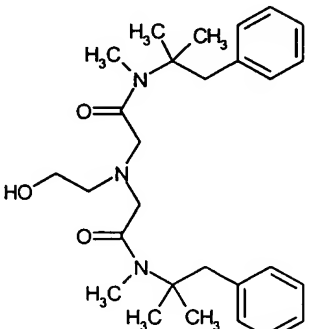
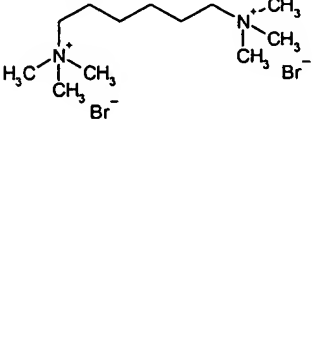
StavrovskayaSupplemental Table 1

<p>NADOLOL Therap cat: beta-adrenergic blocker</p>	<p>C₁₇H₂₇NO₄</p>	<p>309.409</p>	
<p>NALTREXONE HYDROCHLORIDE Therap cat: morphine antagonist</p>	<p>C₂₀H₂₃NO₄</p>	<p>341.4106</p>	
<p>CYCLOTHIAZIDE Therap cat: diuretic</p>	<p>C₁₄H₁₆ClN₃O₄S 2</p>	<p>389.8823</p>	
<p>NICOLSAMIDE Therap cat: anthelmintic</p>	<p>C₁₃H₈Cl₂N₂O₄</p>	<p>327.1257</p>	

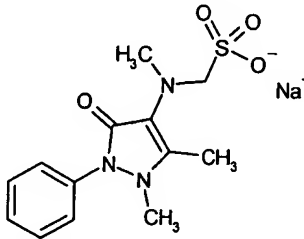
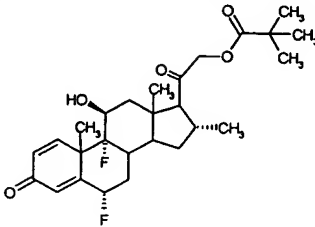
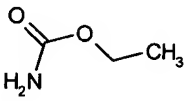
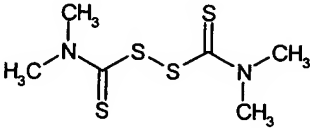
StavrovskayaSupplemental Table 1

<p>NOMIFENSIN MALEATE Therap cat: antidepressant</p>	<p>C₂₀H₂₂N₂O₄</p>	<p>354.4093</p>	
<p>PERGOLIDE MESYLATE Therap cat: dopaminergic</p>	<p>C₂₀H₃₀N₂O₃S₂</p>	<p>410.6017</p>	
<p>PRILOCAINE HYDROCHLORIDE Therap cat: local anesthetic</p>	<p>C₁₃H₂₁ClN₂O</p>	<p>256.7781</p>	
<p>HYDROCORTISONE BUTYRATE Therap cat: glucocorticoid, antiinflammatory</p>	<p>C₂₅H₃₆O₆</p>	<p>432.5621</p>	

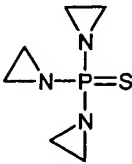
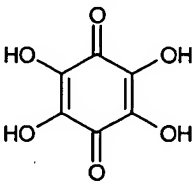
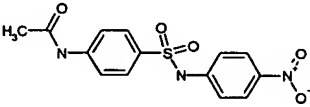
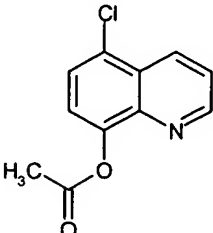
StavrovskayaSupplemental Table 1

ROXITHROMYCIN Therap cat: antibiotic	C41H76N2O15	837.0673	
MITOXANTHRONE HYDROCHLORIDE Therap cat: antineoplastic	C22H30Cl2N4O6	517.4136	
OXETHAZINE therap cat: local anesthetic	C28H41N3O3	467.6573	
HEXAMETHONIUM BROMIDE Therap cat: antihypertensive, ganglionic blocker	C12H30Br2N2	362.1943	

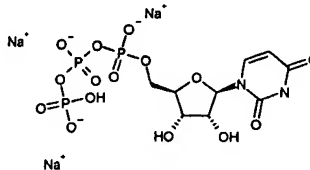
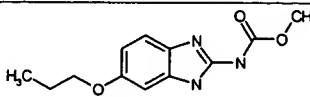
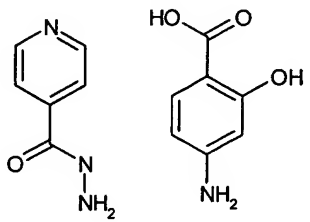
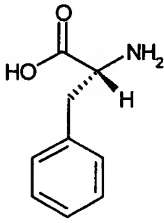
StavrovskayaSupplemental Table 1

<p>DIPYRONE</p> <p>Therap cat: analgesic, antipyretic</p>	C13H16N3NaO4S	333.344	
<p>DIFLUCORTOLONE PIVALATE</p> <p>Therap cat: glucocorticoid, antiinflammatory</p>	C27H36F2O5	478.5818	
<p>URETHANE</p> <p>Therap cat: antineoplastic, cytotoxic</p>	C3H7NO2	89.09474	
<p>THIRAM</p> <p>Therap cat: antifungal</p>	C6H12N2S4	240.4319	

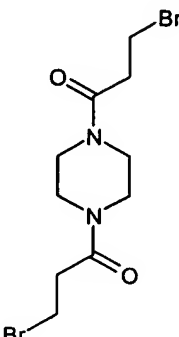
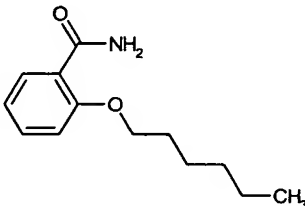
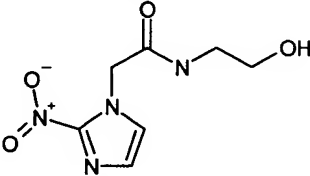
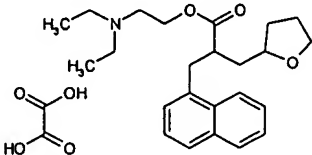
StavrovskayaSupplemental Table 1

THIOTEPA Therap cat: antineoplastic, alkylating agent	C ₆ H ₁₂ N ₃ PS	189.2204	
TETROQUINONE Therap cat: keratolytic	C ₆ H ₄ O ₆	172.0952	
SULFANITRAN Therap cat: antibacterial	C ₁₄ H ₁₃ N ₃ O ₅ S	335.3408	
CHLOROACETOXYQUINOLINE Therap cat: antifungal	C ₁₁ H ₈ ClNO ₂	221.6449	

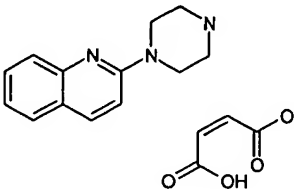
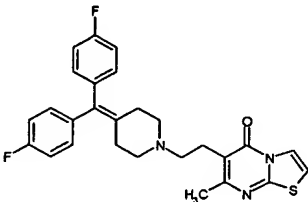
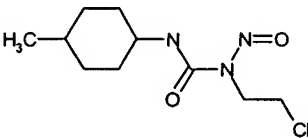
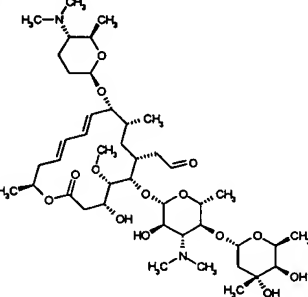
StavrovskayaSupplemental Table 1

<p>URIDINE TRIPHOSPHATE TRISODIUM Therap cat: psychostimulant</p>	<p>C₉H₁₂N₂Na₃O₁₅ P3</p>	<p>550.0912</p>	
<p>OXYBENDAZOLE Therap cat: anthelmintic</p>	<p>C₁₂H₁₅N₃O₃</p>	<p>249.2717</p>	
<p>PASINIAZIDE Therap cat: tuberculostatic</p>	<p>C₁₃H₁₄N₄O₄</p>	<p>290.2809</p>	
<p>D-PHENYLALANINE Therap cat: antidepressant</p>	<p>C₉H₁₁NO₂</p>	<p>165.1935</p>	

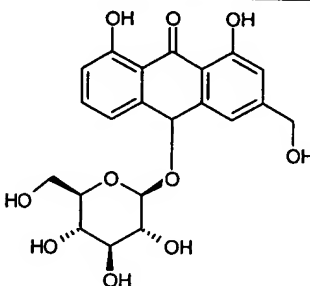
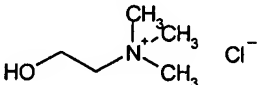
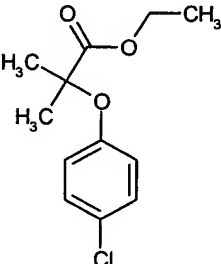
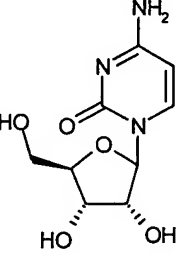
StavrovskayaSupplemental Table 1

PIOBROMAN Therap cat: antineoplastic, alkylating agent	C10H16Br2N2O2	356.0592	
EXALAMIDE Therap cat: antifungal	C13H19NO2	221.3019	
ETANIDAZOLE Therap cat: antineoplastic, hypoxic cell radiosensitizer	C7H10N4O4	214.1822	
NAFRONYL OXALATE Therap cat: vasodilator	C26H35NO7	473.5714	

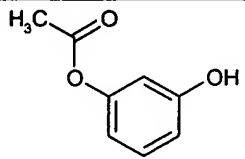
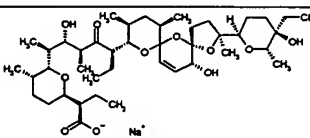
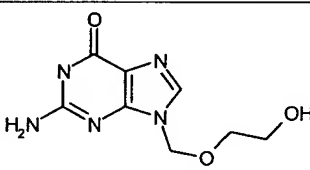
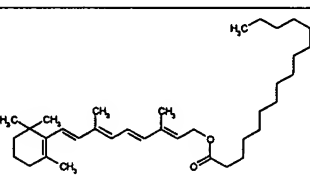
Stavrovskaya Supplemental Table 1

<p>QUIPAZINE MALEATE</p> <p>Therap cat: antidepressant, oxytocic</p>	<p>C17H19N3O4</p>	<p>329.3587</p>	
<p>RITANSERIN</p> <p>Therap cat: antiserotonin</p>	<p>C27H25F2N3OS</p>	<p>477.5806</p>	
<p>SEMUSTINE</p> <p>Therap cat: antineoplastic</p>	<p>C10H18ClN3O2</p>	<p>247.7269</p>	
<p>SPIRAMYCIN</p> <p>ex Streptomyces ambofaciens JACS 91: 3401 (1969)</p>	<p>C43H74N2O14</p>	<p>843.0742</p>	

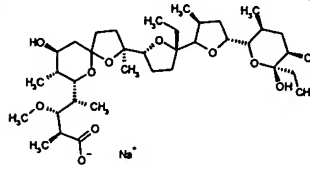
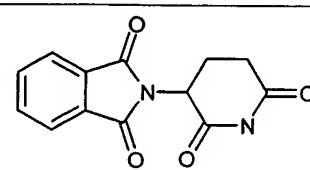
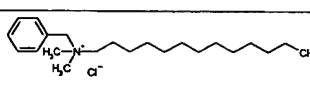
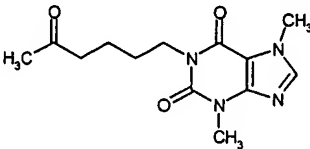
StavrovskayaSupplemental Table 1

ALOIN Therap cat: cathartic, laxative	C ₂₁ H ₂₂ O ₁₀	434.4035	
CHOLINE CHLORIDE Therap cat: choleretic	C ₅ H ₁₄ ClNO	139.6264	
CLOFIBRATE Therap cat: antihyperlipemic	C ₁₂ H ₁₅ ClO ₃	242.7046	
CYTIDINE Therap cat: nucleoside	C ₉ H ₁₃ N ₃ O ₅	243.2211	

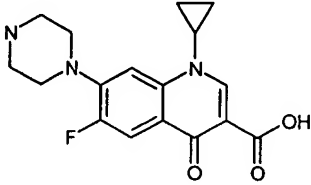
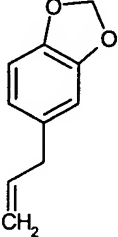
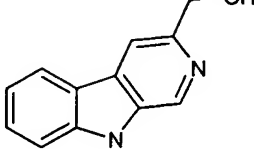
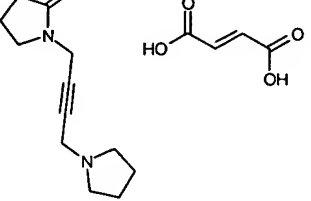
StavrovskayaSupplemental Table 1

<p>RESORCINOL MONOACETATE</p> <p>Therap cat: antiseborrheic, antipruritic</p>	C ₈ H ₈ O ₃	152.1512	
<p>SALINOMYCIN, SODIUM</p> <p>ex Streptomyces albus J Antibiotics 27: 814 (1954)</p>	C ₄₂ H ₆₉ NaO ₁₁	773.0014	
<p>ACYCLOVIR</p> <p>Therap cat: antiviral</p>	C ₈ H ₁₁ N ₅ O ₃	225.2086	
<p>RETINYL PALMITATE</p> <p>Therap cat: pro-vitamin, antixerophthalmic</p>	C ₃₆ H ₆₀ O ₂	524.8784	

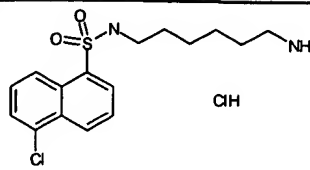
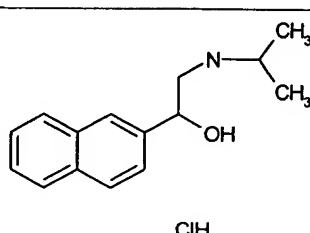
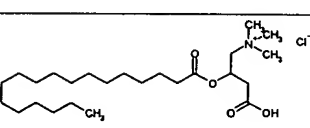
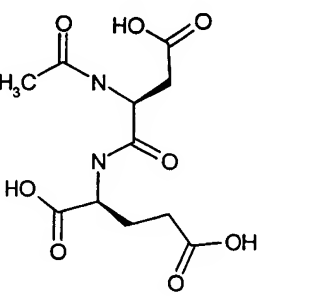
StavrovskayaSupplemental Table 1

MONENSIN SODIUM (monensin A is shown) ex <i>Streptomyces</i> <i>cinnamomensis</i> JACS 89: 5737 (1967)	C37H63NaO10	690.8985	
THALIDOMIDE Therap cat: hypnotic	C13H10N2O4	258.2357	
BENZALKONIUM CHLORIDE (alkyl length: C8-18) Therap cat: topical anti- infective	C22H40ClN	354.0238	
PENTOXIFYLLINE Therap cat: vasodilator	C13H18N4O3	278.3134	

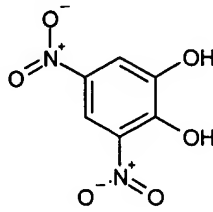
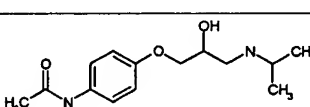
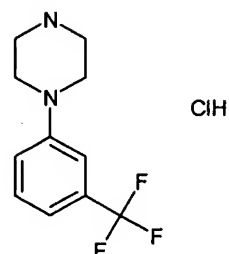
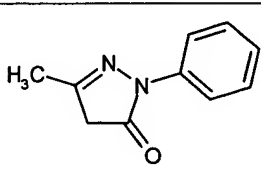
StavrovskayaSupplemental Table 1

<p>CIPROFLOXACIN Therap cat: antibacterial, fungicide</p>	<p>C17H18FN3O3</p>	<p>331.3497</p>	
<p>SAFROLE Therap cat: anesthetic, pediculicide</p>	<p>C10H10O2</p>	<p>162.19</p>	
<p>3-HYDROXYMETHYL-b-CARBOLINE Therap cat: antidote to diazepam</p>	<p>C12H10N2O</p>	<p>198.2263</p>	
<p>OXOTREMORINE SESQUIFUMARATE Therap cat: muscarinic agonist</p>	<p>C16H22N2O5</p>	<p>322.3641</p>	

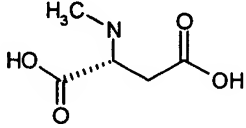
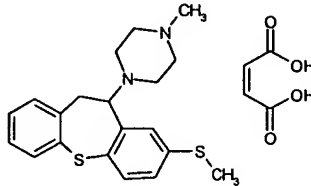
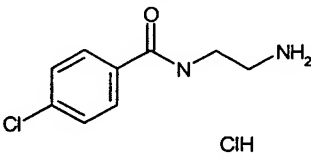
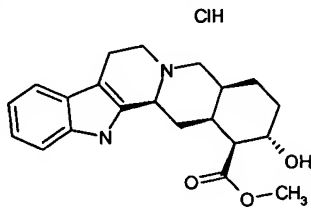
StavrovskayaSupplemental Table 1

W-7 HYDROCHLORIDE Therap cat: calmodulin antagonist	C16H22Cl2N2O2 S	377.3359	
PRONETHALOL HYDROCHLORIDE Therap cat: beta adrenergic agonist, antiarrhythmic	C15H20ClNO	265.7858	
STEAROYL CARNITINE CHLORIDE Therap cat: protein kinase C inhibitor	C25H50ClNO4	464.1346	
SPAGLUMIC ACID Therap cat: neurotransmitter; mGluR3 receptors	C11H16N2O8	304.2588	

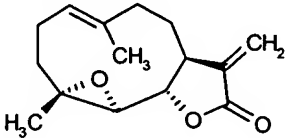
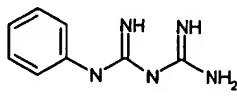
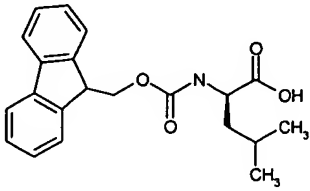
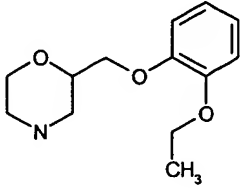
StavrovskayaSupplemental Table 1

3,5-DINITROCATECHOL (OR-486) Therap cat: catechol O-methyltransferase inhibitor	C6H4N2O6	200.1086	
PRACTOLOL Therap cat: beta adrenergic agonist	C14H22N2O3	266.343	
N-(3-TRIFLUOROMETHYLPHENYL)PIPERAZINE HYDROCHLORIDE (TFMPP) Therap cat: serotonin agonist	C11H14ClF3N2	266.6958	
3-METHYL-1-PHENYL-2-PYRAZOLIN-5-ONE (MCI-186) Therap cat: antioxidant, lipoxygenase inhibitor	C10H10N2O	174.204	

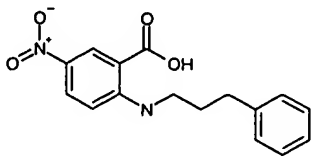
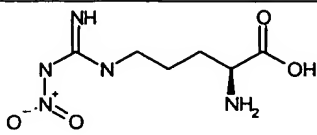
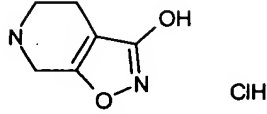
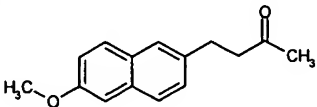
StavrovskayaSupplemental Table 1

<p>N-METHYL-D-ASPARTIC ACID (NMDA) Therap cat: NMDA agonist</p>	<p>C₅H₉NO₄</p>	<p>147.1318</p>	
<p>METHIOTHEPIN MALEATE Therap cat: 5-HT₁ & 2 serotonin antagonist</p>	<p>C₂₄H₂₈N₂O₄S₂</p>	<p>472.6298</p>	
<p>N-(2-AMINOETHYL)-4-CHLOROBENZAMIDE (RO-16-6491) Therap cat: MAO-B inhibitor</p>	<p>C₉H₁₂Cl₂N₂O</p>	<p>235.1148</p>	 <p>ClH</p>
<p>RAUWOLSCINE HYDROCHLORIDE Therap cat: alpha-2 adrenergic antagonist</p>	<p>C₂₁H₂₇ClN₂O₃</p>	<p>390.9139</p>	 <p>ClH</p>

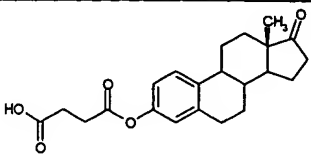
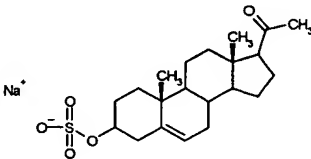
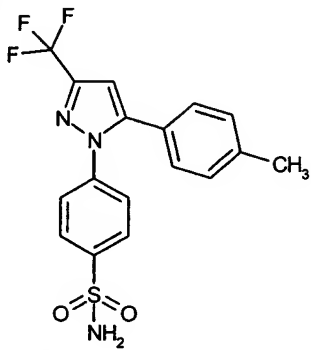
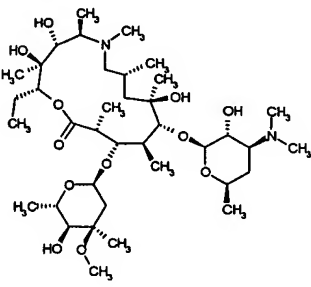
StavrovskayaSupplemental Table 1

<p>PARTHENOLIDE Therap cat: antiinflammation, immune suppressant</p>	<p>C₁₅H₂₀O₃</p>	<p>248.3249</p>	
<p>1-PHENYLBIGUANIDE HYDROCHLORIDE Therap cat: 5-HT₃ receptor agonist</p>	<p>C₈H₁₂ClN₅</p>	<p>213.6713</p>	 <p>ClH</p>
<p>N-(9- FLUORENYLMETHOXY CARBONYL)-L- LEUCINE (NPC-15199) Therap cat: antiinflammatory</p>	<p>C₂₁H₂₃NO₄</p>	<p>353.4218</p>	
<p>VILOXAZINE HYDROCHLORIDE Therap cat: antidepressant</p>	<p>C₁₃H₂₀ClNO₃</p>	<p>273.7623</p>	 <p>ClH</p>

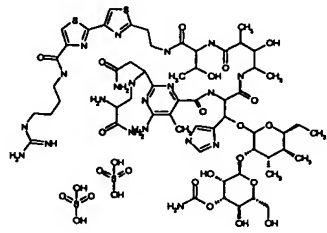
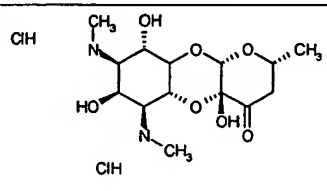
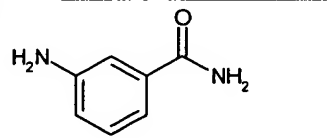
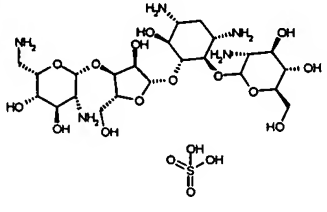
StavrovskayaSupplemental Table 1

<p>2-PHENPROPYLAMINO-5-NITROBENZOIC ACID (NPPB)</p> <p>Therap cat: chloride channel blocker</p> <p>Brit J Pharmacol 117: 175 (1996)</p>	C16H16N2O4	300.3169	
<p>L-NNA</p> <p>[N(g)-nitro-L-arginine]</p> <p>Therap cat: NO synthase inhibitor</p>	C6H13N5O4	219.2016	
<p>GABOXADOL HYDROCHLORIDE (THIP)</p> <p>Therap cat: GABA(a) agonist; GABA(c) antagonist</p> <p>J Med Chem 26: 895 (1983)</p>	C6H9ClN2O2	176.6038	
<p>NABUMETONE</p> <p>Therap cat: antiinflammatory</p>	C15H16O2	228.2936	

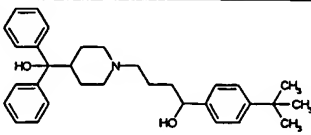
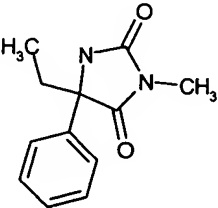
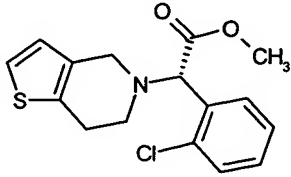
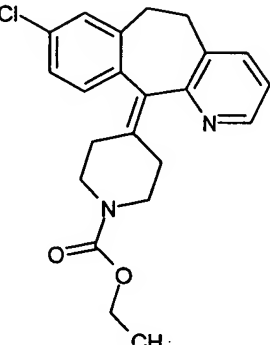
StavrovskayaSupplemental Table 1

<p>ESTRONE HEMISUCCINATE Therap cat; estrogen</p>	C22H26O5	370.4495	
<p>PREGNENOLONE SULFATE, SODIUM SALT Therap cat: nonhormonal steroid</p>	C21H31NaO5S	418.532	
<p>CELECOXIB Therap cat: antiarthritic, cyclooxygenase-2 inhibitor</p>	C17H14F3N3O2S	381.3792	
<p>AZITHROMYCIN Therap cat: antibacterial</p>	C38H72N2O12	749.0037	

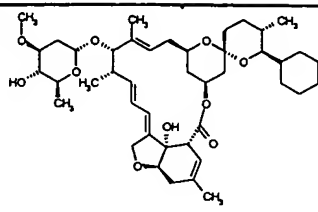
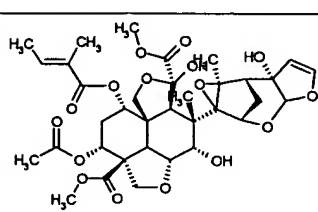
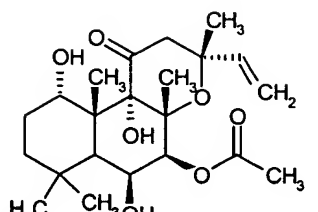
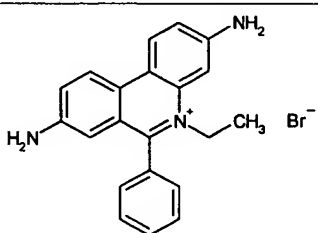
StavrovskayaSupplemental Table 1

<p>BLEOMYCIN [Bleocin(TM) 3.5% Cu; bleomycin B2 shown] Therap cat: cleaves double stranded DNA Biorg Khim 21: 695 (1995)</p>	<p>C58H94N20O26S 4</p>	<p>1615.77</p>	
<p>SPECTINOMYCIN DIHYDROCHLORIDE Therap cat: antibiotic</p>	<p>C14H26Cl2N2O7</p>	<p>405.2785</p>	
<p>3-AMINO BENZAMIDE Therap cat: antiproliferative; killer cell blocker Biochem Biophys Res Commun 225: 826</p>	<p>C7H8N2O</p>	<p>136.1546</p>	
<p>PAROMOMYCIN SULFATE Therap cat: antibiotic, amoebicide, anticryptosporidal</p>	<p>C23H47N5O18S</p>	<p>713.7177</p>	

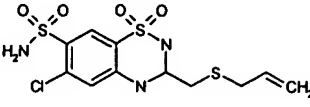
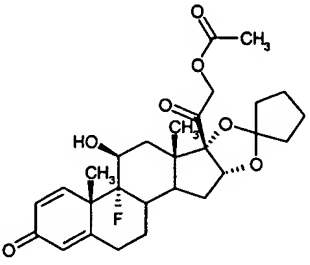
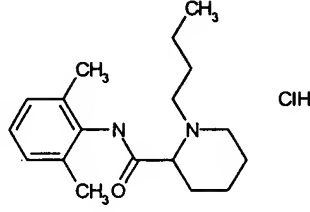
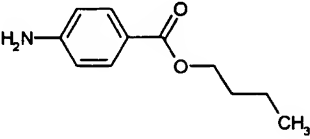
StavrovskayaSupplemental Table 1

TERFENADINE Therap cat: H-1 antihistamine, non- sedating	C32H41NO2	471.6891	
MEPHENTOIN Therap cat: anticonvulsant	C12H14N2O2	218.2576	
CLOPIDOGREL Therap cat: platelet aggregation inhibitor	C16H16ClNO2S	321.8284	
LORATADINE Therap cat: H-1 antihistamine	C22H23ClN2O2	382.8938	

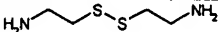
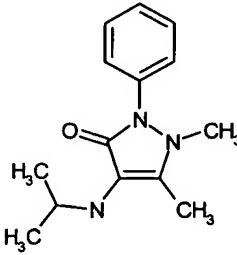
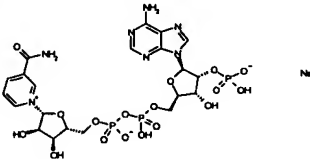
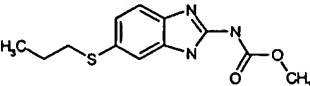
StavrovskayaSupplemental Table 1

<p>SELAMECTIN Therap cat: antiparasitic, antimite</p>	C43H64O10	740.9835	
<p>AZADIRACTIN Therap cat: antifeedant, insecticide Phytochemistry 12: 391 (1973)</p>	C35H44O16	720.7313	
<p>COLEOFORSIN Therap cat: anenylate cyclase activator, antiglaucoma</p>	C22H34O7	410.5121	
<p>HOMIDIUM BROMIDE Therap cat: antiprotozoal; intercalate with DNA J Mol Biol 13: 269 (1965); 27: 87 (1967)</p>	C21H20BrN3	394.3177	

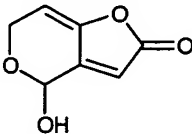
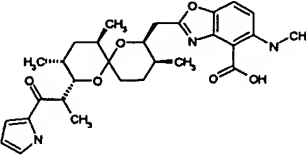
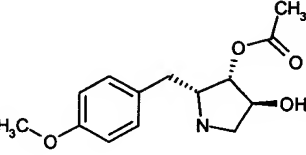
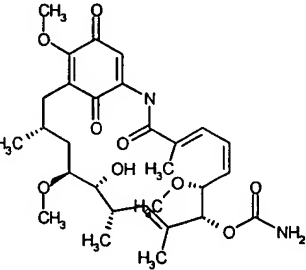
StavrovskayaSupplemental Table 1

ALTHIAZIDE Therap cat: diuretic	C11H14ClN3O4S 3	383.8969	
AMCINONIDE Therap cat: glucocorticoid, antiinflammatory	C28H35FO7	502.5854	
BUPIVACAINE HYDROCHLORIDE Therap cat: local anesthetic	C18H29ClN2O	324.8976	
BUTAMBEN Therap cat: local anesthetic	C11H15NO2	193.2477	

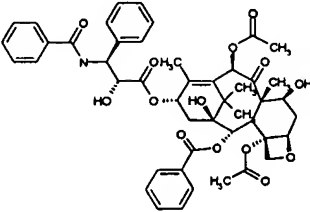
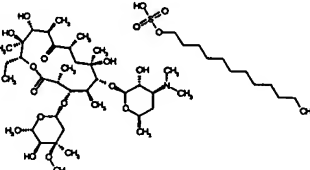
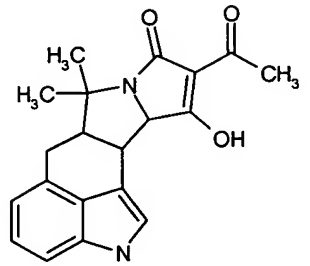
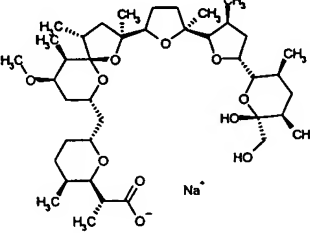
StavrovskayaSupplemental Table 1

<p>CYSTAMINE DIHYDROCHLORIDE</p> <p>Therap cat: precursor to cysteamine; possible hepatoprotectant, radioprotectant</p>	<p>C₄H₁₄Cl₂N₂S₂</p>	<p>225.2036</p>	<p>ClH  ClH</p>
<p>RAMIPHENAZONE</p> <p>Therap cat: analgesic, antipyretic, antiinflammatory</p>	<p>C₁₄H₂₀ClN₃O</p>	<p>281.788</p>	<p> ClH</p>
<p>SODIUM beta- NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE</p> <p>Therap cat: coenzyme, cofactor in aryl and steroidal hydroxylation</p>	<p>C₂₁H₂₇N₇NaO₁₇ P₃</p>	<p>765.3972</p>	<p> Na⁺</p>
<p>ALBENDAZOLE</p> <p>Therap cat: anthelmintic</p>	<p>C₁₂H₁₅N₃O₂S</p>	<p>265.3363</p>	<p></p>

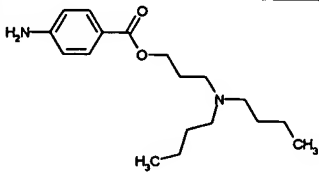
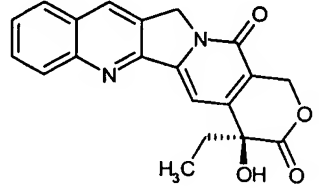
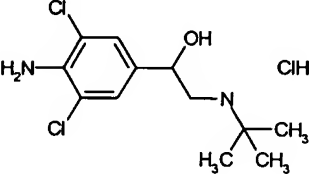
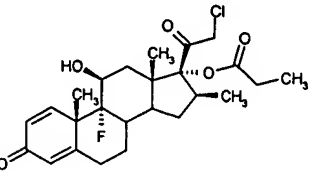
Stavrovskaya Supplemental Table 1

<p>PATULIN Therap cat: antibacterial, inhibits seed germination</p>	<p>C7H6O4</p>	<p>154.1235</p>	
<p>CALCIMYCIN Therap cat: calcium ionophore</p>	<p>C29H37N3O6</p>	<p>523.6347</p>	
<p>ANISOMYCIN Therap cat: antiprotozoal, antifungal</p>	<p>C14H19NO4</p>	<p>265.3118</p>	
<p>GELDANAMYCIN Therap cat: antineoplastic, antifungal, antiprotozoal</p>	<p>C29H40N2O9</p>	<p>560.6502</p>	

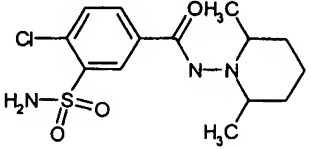
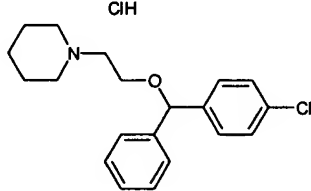
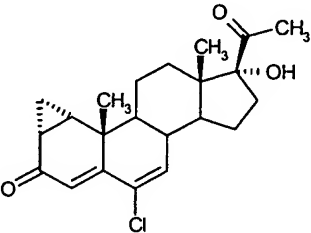
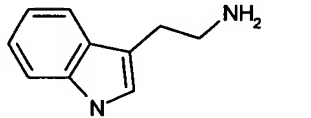
StavrovskayaSupplemental Table 1

<p>PACLITAXEL Therap cat: antineoplastic</p>	<p>C₄₇H₅₁NO₁₄</p>	<p>853.9288</p>	
<p>ERYTHROMYCIN ESTOLATE Therap cat: antibiotic</p>	<p>C₄₉H₉₃NO₁₇S</p>	<p>1000.348</p>	
<p>CYCLOPIAZONIC ACID Therap cat: inhibits endoplasmic reticulum Ca ATPase</p>	<p>C₂₀H₂₀N₂O₃</p>	<p>336.394</p>	
<p>NIGERICIN SODIUM Therap cat: antibiotic</p>	<p>C₄₀H₆₇NaO₁₁</p>	<p>746.9632</p>	

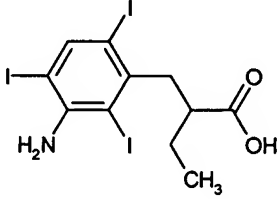
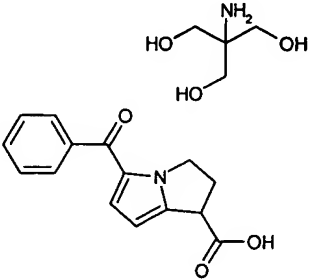
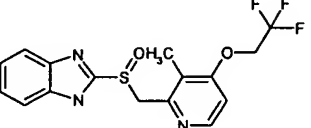
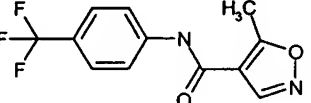
StavrovskayaSupplemental Table 1

BUTACAINE Therap cat: local anesthetic	C18H30N2O2	306.452	
CAMPTOTHECIN Therap cat: antineoplastic, antiprotozoal	C20H16N2O4	348.3615	
CLENBUTEROL HYDROCHLORIDE Therap cat: bronchodilator, beta-2 agonist	C12H19Cl3N2O	313.657	
CLOBETASOL PROPIONATE Therap cat: glucocorticoid, antiinflammatory	C25H32ClFO5	466.9822	

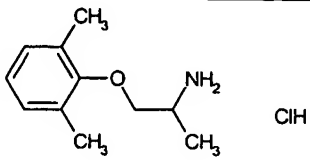
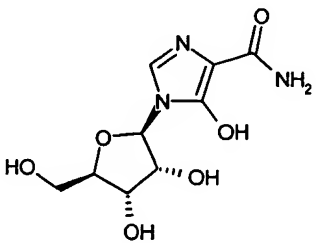
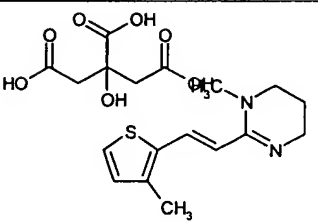
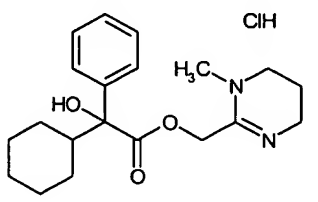
StavrovskayaSupplemental Table 1

CLOPAMIDE Therap cat: diuretic	C₁₄H₂₀ClN₃O₃S	345.8508	
CLOPERASTINE HYDROCHLORIDE Therap cat: antitussive	C₂₀H₂₅Cl₂NO	366.3344	
CYPROTERONE Therap cat: antiandrogen	C₂₂H₂₇ClO₃	374.9117	
TRYPTAMINE Therap cat: psychotropic	C₁₀H₁₂N₂	160.2205	

StavrovskayaSupplemental Table 1

<p>IOPANIC ACID Therap cat: radio- opaque medium</p>	<p>C₁₁H₁₂I₃NO₂</p>	<p>570.937</p>	
<p>KETOROLAC TROMETHAMINE Therap cat: antiinflammatory</p>	<p>C₁₉H₂₄N₂O₆</p>	<p>376.4129</p>	
<p>LANSOPRAZOLE Therap cat: antiulcerative</p>	<p>C₁₆H₁₄F₃N₃O₂S</p>	<p>369.3681</p>	
<p>LEFUNAMIDE Therap cat: antineoplastic, PDGF receptor blocker</p>	<p>C₁₂H₉F₃N₂O₂</p>	<p>270.2129</p>	

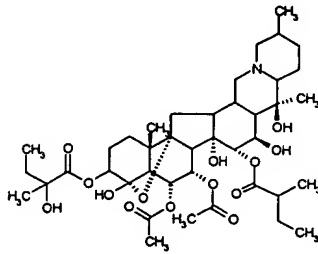
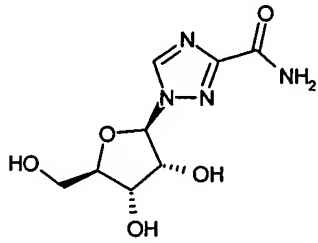
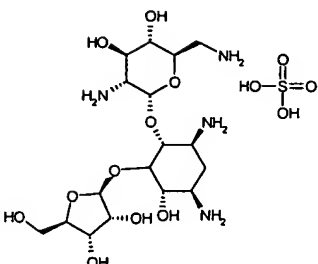
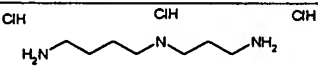
StavrovskayaSupplemental Table 1

MEXILITENE HYDROCHLORIDE Therap cat: antiarrhythmic	C ₁₁ H ₁₈ ClNO	215.7252	
MIZORIBINE Therap cat: immunosuppressant	C ₉ H ₁₃ N ₃ O ₆	259.2205	
MORANTEL CITRATE Therap cat: anthelmintic	C ₁₈ H ₂₄ N ₂ O ₇ S	412.4652	
OXYPHENCYCLIMINE HYDROCHLORIDE Therap cat: anticholinergic	C ₂₀ H ₂₉ ClN ₂ O ₃	380.9187	

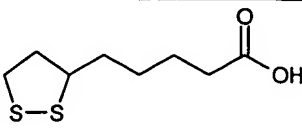
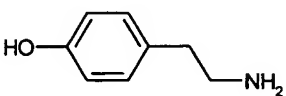
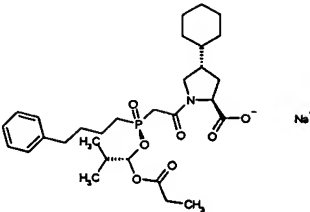
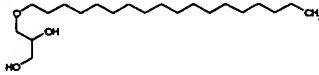
StavrovskayaSupplemental Table 1

<p>PENTOLINIUM DITARTRATE</p> <p>Therap cat: antihypertensive, ganglionic blocker</p>	<p>C23H42N2O12</p>	<p>538.5974</p>	 <chem>CN(C)CCCCN(C)C.[O-]C(O)C(O)C(=O)[O-]</chem>
<p>PERPHENAZINE</p> <p>Therap cat: antipsychotic</p>	<p>C21H26ClN3OS</p>	<p>403.9779</p>	 <chem>Clc1ccc2c(c1)n(c3ccccc23)CCN4CCN(CC4)CCO</chem>
<p>PROPAFENONE HYDROCHLORIDE</p> <p>Therap cat: antiarrhythmic</p>	<p>C21H28ClNO3</p>	<p>377.9152</p>	 <chem>CCN(CC)CCOC(=O)c1ccccc1-c1ccccc1.[Cl-]</chem>
<p>PERICIAZINE</p> <p>Therap cat: antipsychotic</p>	<p>C21H23N3OS</p>	<p>365.501</p>	 <chem>N#Cc1ccc2c(c1)n(c3ccccc23)CCN4CCN(CC4)CCO</chem>

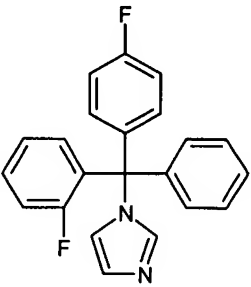
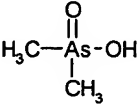
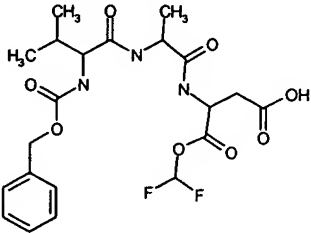
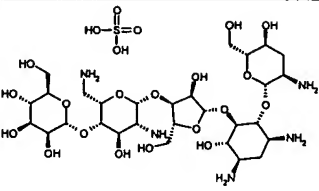
StavrovskayaSupplemental Table 1

PROTOVERATRINE A Therap cat: antihypertensive	C41H63NO14	793.9576	
RIBAVIRIN Therap cat: antiviral	C8H12N4O5	244.2086	
RIBOSTAMYCIN SULFATE Therap cat: antibiotic	C17H36N4O14S	552.5589	
SPERMIDINE TRIHYDROCHLORIDE Therap cat: ornithine decarboxylase inhibitor	C7H22Cl3N3	254.6325	

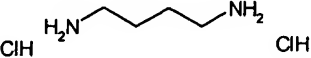
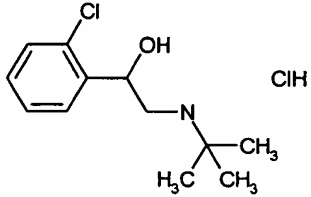
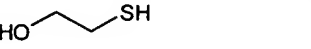
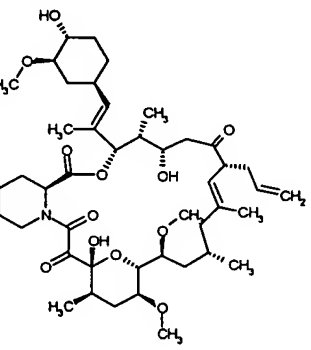
StavrovskayaSupplemental Table 1

THIOCTIC ACID Therap cat: hepatoprotectant	C8H14O2S2	206.3276	
TYRAMINE Therap cat: adrenergic agent	C8H11NO	137.183	
FOSINOPRIL SODIUM Therap cat: ACE inhibitor, antihypertensive	C30H45NNaO7P	585.6593	
BATYL ALCOHOL Therap cat: radioprotective agent	C21H44O3	344.583	

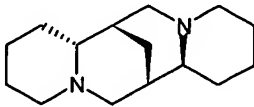
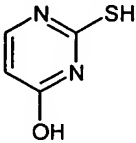
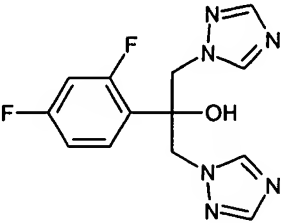
StavrovskayaSupplemental Table 1

FLUTRIMAZOLE Therap cat: antifungal	C22H16F2N2	346.383	
CACODYLIC ACID Therap cat: anti-eczema, dermatologic, herbicide	C2H7AsO2	137.9985	
z-VAD-fmk [zVAL-ALA-ASP-CHF2] Therap cat: capsase inhibitor	C21H27F2N3O8	487.4614	
LIVIDOMYCIN A Therap cat: antibiotic	C29H57N5O22S	859.8619	

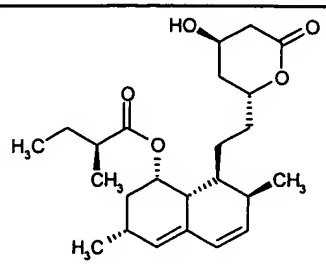
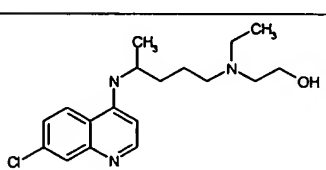
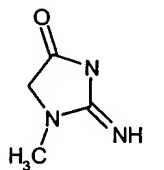
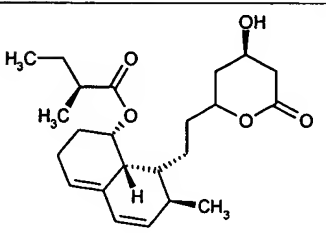
StavrovskayaSupplemental Table 1

<p>PUTRESCINE DIHYDROCHLORIDE Therap cat: ornithine decarboxylase inhibitor, cell growth factor</p>	<p>C₄H₁₄Cl₂N₂</p>	<p>161.0756</p>	
<p>TULOBUTEROL Therap cat: brochodilator, beta agonist</p>	<p>C₁₂H₁₉Cl₂NO</p>	<p>264.1973</p>	
<p>2-MERCAPTOETHANOL Therap cat: bioreducing agent</p>	<p>C₂H₆OS</p>	<p>78.13352</p>	
<p>TACROLIMUS Therap cat: immune suppressant, antifungal</p>	<p>C₄₄H₆₉NO₁₂</p>	<p>804.04</p>	

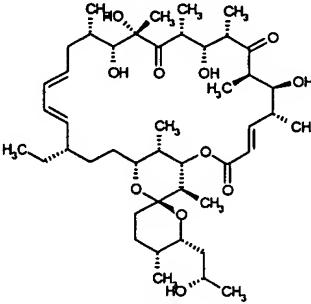
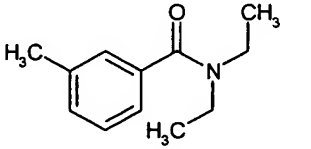
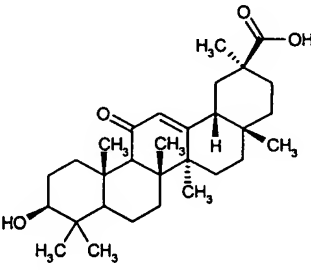
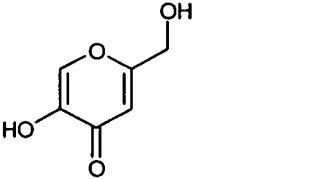
StavrovskayaSupplemental Table 1

<p>METHOXAMINE HYDROCHLORIDE</p> <p>Therap cat: mutagen, blocks DNA repair hydroxymethyltransferase inhibitor</p>	CH6ClNO	83.51807	<p>ClH</p> $\text{H}_2\text{N}-\text{O}-\text{CH}_3$
<p>LUPINIDINE</p> <p>Therap cat: oxytocic</p>	C15H26N2	234.3879	
<p>2-THIOURACIL</p> <p>Therap cat: thyroid depressant</p>	C4H4N2OS	128.1533	
<p>FLUCONAZOLE</p> <p>Therap cat: antifungal</p>	C13H12F2N6O	306.277	

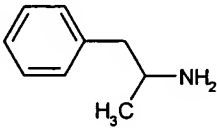
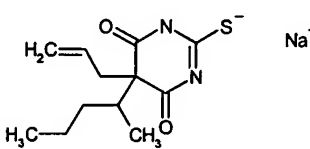
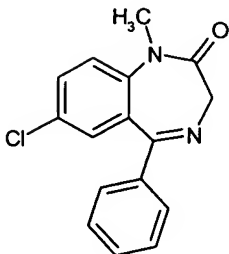
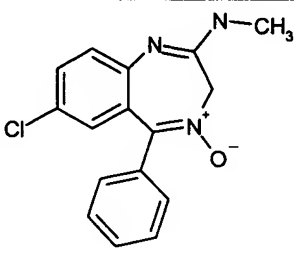
StavrovskayaSupplemental Table 1

<p>LOVASTATIN</p> <p>Therap cat: antilipemic, HMG-CoA reductase inhibitor</p>	C24H36O5	404.5515	
<p>HYDROXYCHLOROQUINE</p> <p>Therap cat: antimalarial, lupus suppressant</p>	C18H26ClN3O	335.8804	
<p>CREATININE</p> <p>Therap cat: metabolite in muscle and urine</p>	C4H7N3O	113.1199	
<p>COMPACTIN</p> <p>Therap cat: HMG-CoA reductase inhibitor; anticholesterylemic</p>	C23H34O5	390.5244	

StavrovskayaSupplemental Table 1

<p>OLIGOMYCIN (A shown) Therap cat: antibiotic, antifungal</p>	<p>C₄₅H₇₄O₁₁</p>	<p>791.0849</p>	
<p>DEET (N,N-diethyltoluamide) Therap cat: insect repellant</p>	<p>C₁₂H₁₇NO</p>	<p>191.2754</p>	
<p>ENOXOLONE (18beta-glycyrrhetic acid) Therap cat: antitussive, antiinflammatory, antibacterial</p>	<p>C₃₀H₄₆O₄</p>	<p>470.6987</p>	
<p>KOJIC ACID Therap cat: chelator, antibacterial, skin whitening agent</p>	<p>C₆H₆O₄</p>	<p>142.1123</p>	

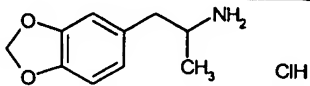
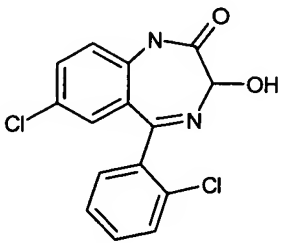
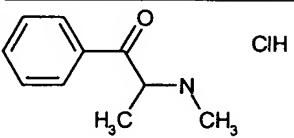
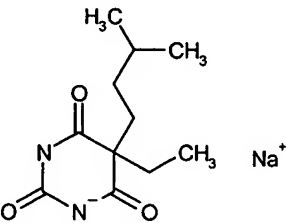
Stavrovskaya Supplemental Table 1

<p>DEXTROAMPHETAMIN E Therap cat: CNS stimulant</p>	C ₉ H ₁₃ N	135.2107	
<p>THIAMYLAL SODIUM Therap cat: anesthetic</p>	C ₁₂ H ₁₇ N ₂ NaO ₂ S	276.3353	
<p>DIAZEPAM Therap cat: minor tranquilizer, sedative</p>	C ₁₆ H ₁₃ ClN ₂ O	284.7478	
<p>CHLORDIAZEPOXIDE Therap cat: minor tranquilizer, sedative</p>	C ₁₆ H ₁₄ ClN ₃ O	299.7625	

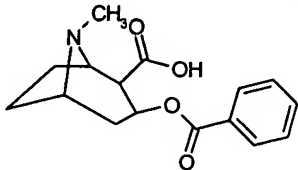
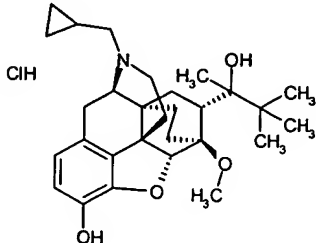
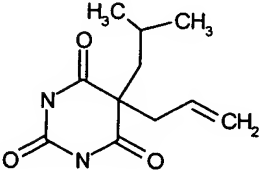
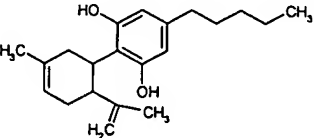
StavrovskayaSupplemental Table 1

THIOPENTAL SODIUM Therap cat: anesthetic	C ₁₁ H ₁₇ N ₂ NaO ₂ S	264.3241	
PENTOBARBITAL Therap cat: anesthetic	C ₁₁ H ₁₈ N ₂ O ₃	226.2777	
3,4-METHYLENEDIOXYME THAMPHETAMINE HYDROCHLORIDE Therap cat: CNS stimulant	C ₁₁ H ₁₆ ClNO ₂	229.7087	
METHADONE HYDROCHLORIDE Therap cat: narcotic analgesic	C ₂₁ H ₂₈ ClNO	345.9164	

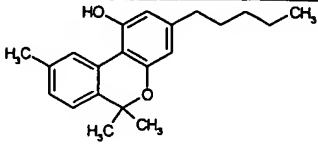
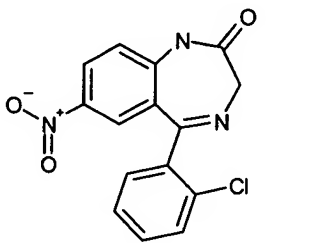
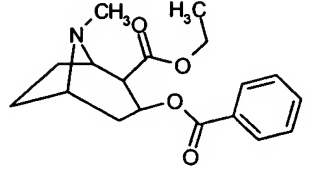
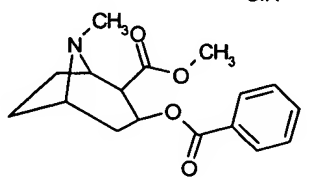
StavrovskayaSupplemental Table 1

3,4-METHYLENEDIOXYAMPHETAMINE HYDROCHLORIDE Therap cat: CNS stimulant	C ₁₀ H ₁₄ ClNO ₂	215.6816	
LORAZEPAM Therap cat: sedative, minor tranquilizer	C ₁₅ H ₁₀ Cl ₂ N ₂ O ₂	321.1652	
2-(METHYLAMINO)PROPIONPHENONE HYDROCHLORIDE Therap cat: CNS stimulant	C ₁₀ H ₁₄ ClNO	199.6822	
AMOBARBITAL SODIUM Therap cat: sedative, hypnotic, central depressant	C ₁₁ H ₁₇ N ₂ NaO ₃	248.2595	

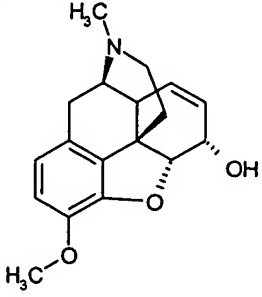
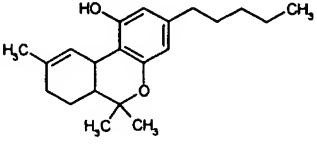
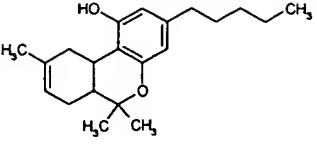
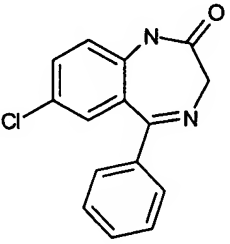
StavrovskayaSupplemental Table 1

BENZOYLECGONINE Therap cat: major metabolite of cocaine, weak anesthetic	C16H19NO4	289.3341	
BUPRENORPHINE HYDROCHLORIDE Therap cat: narcotic analgesic	C29H42ClNO4	504.1154	
BUTALBITAL Therap cat: sedative, hypnotic, central depressant	C11H16N2O3	224.2618	
CANNABIDIOL Therap cat: antibacterial, inactive as psychotomimetic	C21H30O2	314.4721	

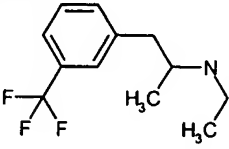
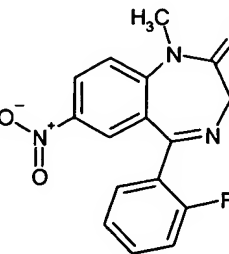
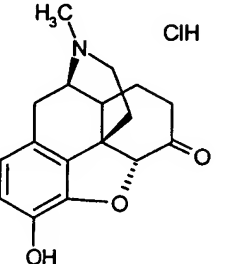
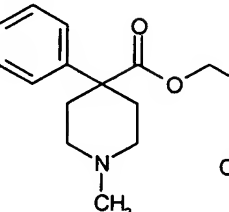
StavrovskayaSupplemental Table 1

CANNABINOL Therap cat: cannabinoid receptor agonist, inactive as psychotomimetic	C21H26O2	310.4402	
CLONAZEPAM Therap cat: sedative, anticonvulsant	C15H10ClN3O3	315.7183	
COCAETHYLENE Therap cat: local anesthetic, narcotic	C18H23NO4	317.3883	
COCAINE HYDROCHLORIDE Therap cat: local anesthetic, narcotic	C17H22ClNO4	339.8222	<div style="text-align: right;">ClH</div> 

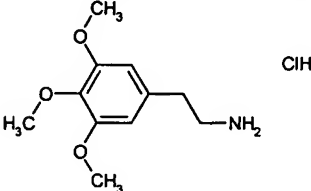
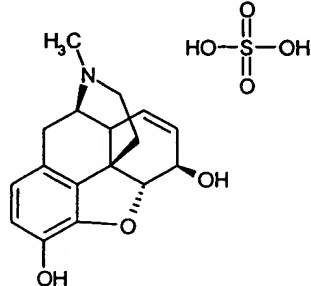
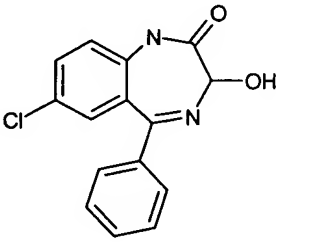
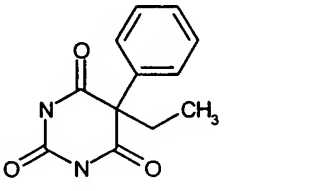
StavrovskayaSupplemental Table 1

CODEINE Therap cat: antitussive, narcotic analgesic	C18H21NO3	299.373	
delta-9- TETRAHYDROCANNAB INOL Therap cat: psychotomimetic, antiemetic, antiglaucoma	C21H30O2	314.4721	
delta-8- TETRAHYDROCANNAB INOL Therap cat: psychotomimetic, antiemetic, antiglaucoma	C21H30O2	314.4721	
DESMETHYLDIAZEPAM Therap cat: sedative, minor tranquilizer	C15H11ClN2O	270.7207	

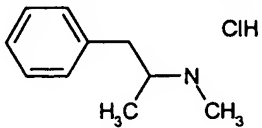
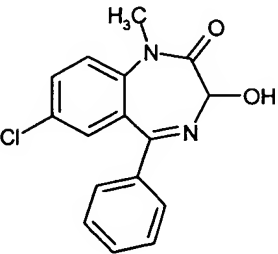
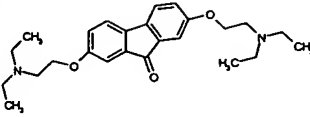
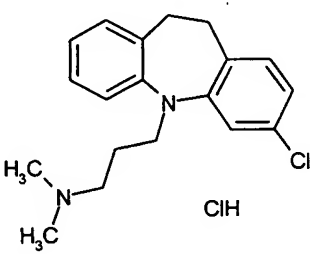
StavrovskayaSupplemental Table 1

FENFLURAMINE Therap cat: appetite suppressant	C₁₂H₁₇ClF₃N	267.7242	 <p>ClH</p>
FLUNITRAZEPAM Therap cat: sedative, minor tranquilizer	C₁₆H₁₂FN₃O₃	313.2907	
HYDROMORPHONE HYDROCHLORIDE Therap cat: narcotic analgesic	C₁₇H₂₀ClNO₃	321.8069	 <p>ClH</p>
MEPERIDINE HYDROCHLORIDE Therap cat: narcotic analgesic, anesthetic	C₁₅H₂₂ClNO₂	283.8011	 <p>ClH</p>

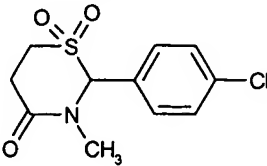
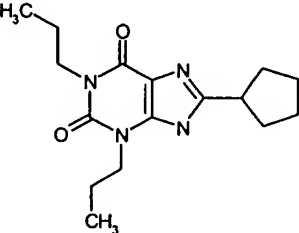
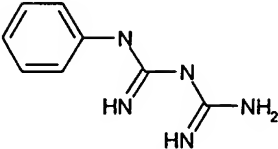
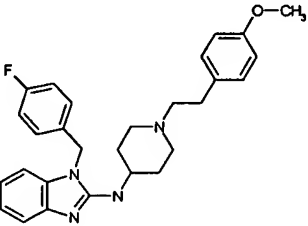
StavrovskayaSupplemental Table 1

MESCALINE HYDROCHLORIDE Therap cat: psychotomimetic	C ₁₁ H ₁₈ ClNO ₃	247.724	
MORPHINE SULFATE Therap cat: narcotic analgesic	C ₁₇ H ₂₁ NO ₇ S	383.4234	
OXAZEPAM Therap cat: sedative, minor tranquilizer	C ₁₅ H ₁₁ ClN ₂ O ₂	286.7201	
PHENOBARBITAL Therap cat: sedative, hypnotic, central depressant	C ₁₂ H ₁₂ N ₂ O ₃	232.241	

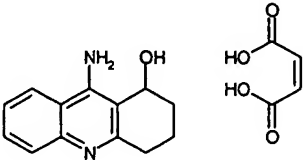
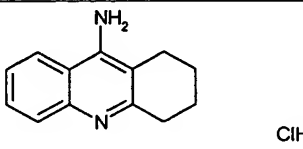
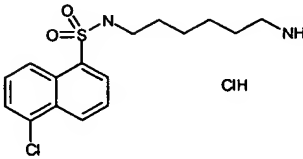
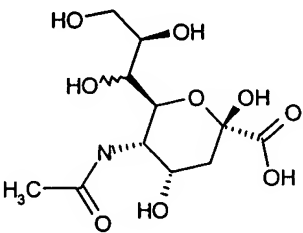
StavrovskayaSupplemental Table 1

<p>(+)-METHAMPHETAMINE HYDROCHLORIDE Therap cat: CNS stimulant</p>	<p>C10H16ClN</p>	<p>185.6987</p>	
<p>TEMAZEPAM Therap cat: sedative, minor tranquilizer</p>	<p>C16H13ClN2O2</p>	<p>300.7472</p>	
<p>TILORONE Therap cat: antiviral</p>	<p>C25H34N2O3</p>	<p>410.5613</p>	
<p>CLOMIPRAMINE HYDROCHLORIDE Therap cat: antidepressant</p>	<p>C19H24Cl2N2</p>	<p>351.3225</p>	

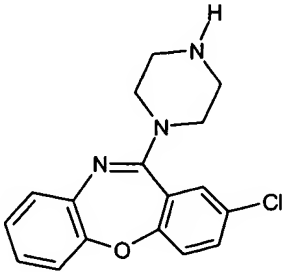
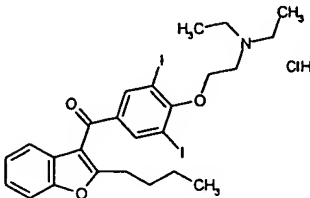
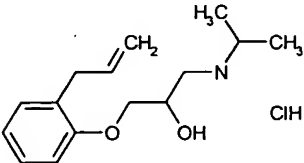
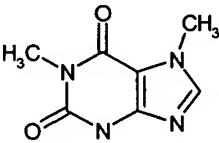
StavrovskayaSupplemental Table 1

<p>CHLORMEZANONE</p> <p>Therap cat: anxiolytic, muscle relaxant</p>	C11H12ClNO3S	273.7402	
<p>1,3-DIPROPYL-8-CYCLOPENTYLXANTHINE</p> <p>[DPCPX]</p> <p>Therap cat: A-1 adenosine receptor antagonist</p>	C16H24N4O2	304.3953	
<p>PHENYLBIGUANIDE</p> <p>Therap cat: 5-HT3 serotonin agonist</p> <p>Br J Pharmacol 90: 229 (1987)</p>	C8H11N5	177.2104	
<p>ASTEMIZOLE</p> <p>Therap cat: non-sedating H-1 antihistamine</p>	C28H31FN4O	458.5839	

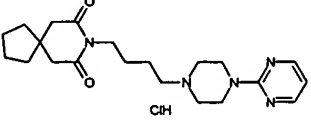
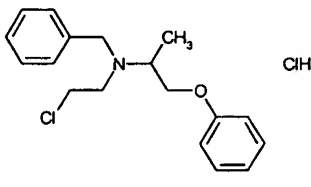
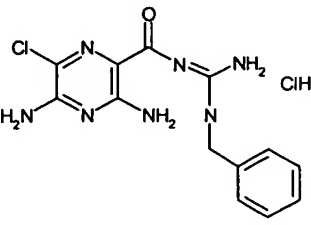
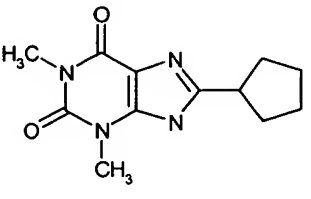
StavrovskayaSupplemental Table 1

<p>HYDROXYTACRINE MALEATE Therap cat: Cholinesterase inhibitor; antiparkinsonian</p>	C17H18N2O5	330.3434	
<p>9-AMINO-1,2,3,4- TETRAHYDROACRIDIN E HYDROCHLORIDE Therap cat: anticholinesterase; K- channel blocker</p>	C13H15ClN2	234.7309	
<p>N-AMINOHEXYL-5- CHLORONAPHTHALEN E-1-YLSULFONAMIDE HYDROCHLORIDE Therap cat: smooth muscle relaxant; inhibits myosin and calmodulin related enzymes [PNAS 78: 4354 (1981)]</p>	C16H22Cl2N2O2S	377.3359	
<p>N-ACETYLNEURAMIC ACID Therap cat: immunomodulator, adjuvant</p>	C11H19NO9	309.2754	

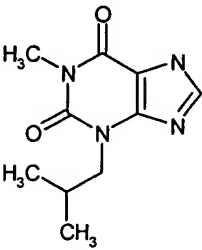
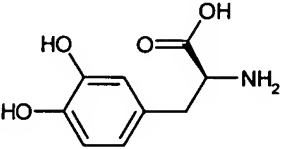
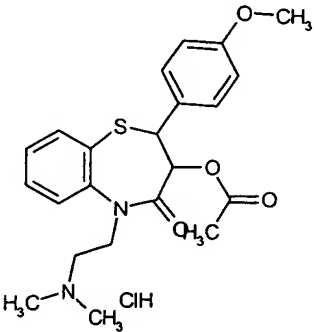
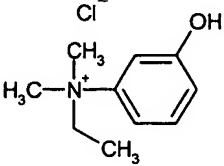
StavrovskayaSupplemental Table 1

<p>AMOXEPINE Therap cat: Antidepressant; inhibits norepinephrine uptake</p>	C17H16ClN3O	313.7896	
<p>AMIODARONE HYDROCHLORIDE Therap cat: Adrenergic receptor agonist; coronary vasodilator calcium channel (L type) blocker</p>	C25H30ClI2NO3	681.7846	
<p>ALPRENOLOL Therap cat: beta- Adrenergic receptor blocker</p>	C15H24ClNO2	285.817	
<p>PARAXANTHINE Therap cat: adenosine receptor agonist Eur J Pharmacol 179: 295 (1990)</p>	C7H8N4O2	180.1674	

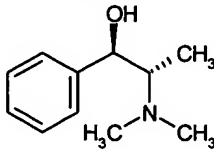
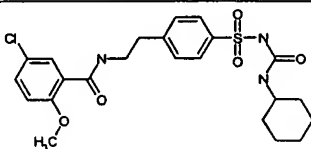
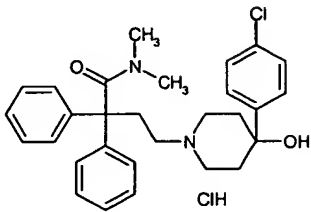
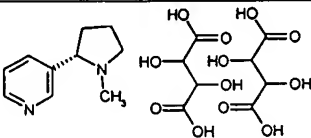
StavrovskayaSupplemental Table 1

<p>BUSPIRONE HYDROCHLORIDE Therap cat: 5-HT-1a receptor agonist; anxiolytic</p>	<p>C₂₁H₃₂ClN₅O₂</p>	<p>421.9745</p>	
<p>PHENOXYBENZAMINE HYDROCHLORIDE Therap cat: alpha adrenergic blocker</p>	<p>C₁₈H₂₃Cl₂N₂O</p>	<p>340.2961</p>	
<p>BENZAMIL HYDROCHLORIDE Therap cat: Sodium channel inhibitor</p>	<p>C₁₃H₁₅Cl₂N₇O</p>	<p>356.2168</p>	
<p>8- CYCLOPENTYLTHEOP HYLLINE Therap cat: A(1) adenosine agonist Mol Pharmacol 29: 331 (1986)</p>	<p>C₁₂H₁₆N₄O₂</p>	<p>248.2869</p>	

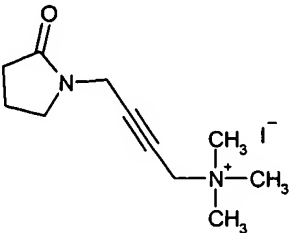
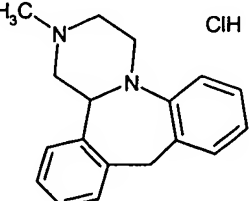
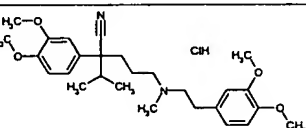
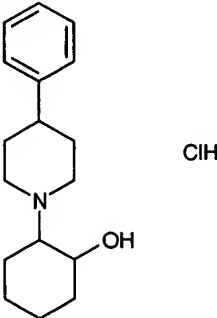
StavrovskayaSupplemental Table 1

<p>ISOBUTYLMETHYLXANTHINE</p> <p>Therap cat: phosphodiesterase inhibitor</p> <p>[Eur J Pharmacol 170: 35 (1989)]</p>	C ₁₀ H ₁₄ N ₄ O ₂	222.2487	
<p>LEVODOPA</p> <p>Therap cat: Antiparkinsonian</p>	C ₉ H ₁₁ NO ₄	197.1923	
<p>DILTIAZEM HYDROCHLORIDE</p> <p>Therap cat: Calcium channel blocker; coronary vasodilator</p>	C ₂₂ H ₂₇ ClN ₂ O ₄ S	450.9885	
<p>EDROPHONIUM CHLORIDE</p> <p>Therap cat: Acetylcholinesterase inhibitor</p>	C ₁₀ H ₁₆ ClNO	201.6981	

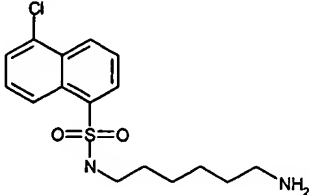
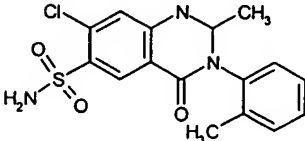
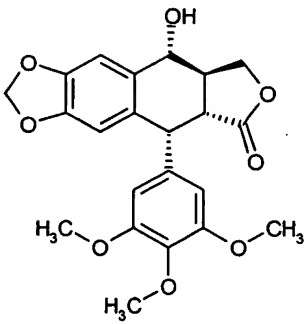
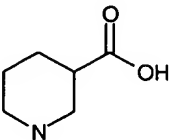
StavrovskayaSupplemental Table 1

<p>N-METHYL(-) EPHEDRINE Therap cat: Adrenergic agonist, analeptic</p>	<p>C11H17NO</p>	<p>179.2642</p>	
<p>GLIBENCLAMIDE Therap cat: Antidiabetic</p>	<p>C23H28ClN3O5S</p>	<p>494.0137</p>	
<p>LOPERAMIDE HYDROCHLORIDE Therap cat: calcium channel blocker</p>	<p>C29H34Cl2N2O2</p>	<p>513.5125</p>	
<p>NICOTINE DITARTRATE Therap cat: Nicotiny l acetylcholine receptor agonist; ectoparasiticide</p>	<p>C18H26N2O12</p>	<p>462.4141</p>	

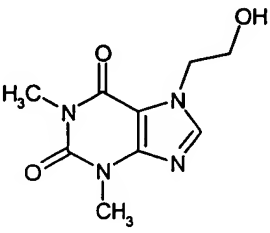
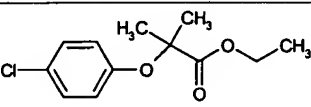
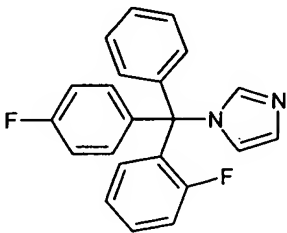
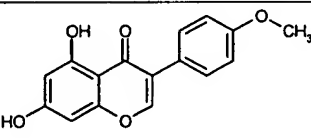
StavrovskayaSupplemental Table 1

OXOTREMORINE METHIODIDE Therap cat: Muscarinic acetylcholine receptor agonist	C11H19IN2O	322.1913	
MIANSERIN HYDROCHLORIDE Therap cat: Serotonin receptor antagonist	C18H21ClN2	300.8345	
VERAPAMIL HYDROCHLORIDE Therap cat: Adrenegic receptor blocker, calcium channel blocker, coronary vasodilator, antiarrhythmic	C27H39ClN2O4	491.0759	
VESAMICOL HYDROCHLORIDE Therap cat: Vesicular acetylcholine transport blocker	C17H26ClNO	295.8559	

StavrovskayaSupplemental Table 1

<p>N-AMINOHEXYL-5-CHLORONAPHTH-1-YLSULFONAMIDE Therap cat: calmodulin antagonist</p>	<p>C₁₆H₂₁ClN₂O₂S</p>	<p>340.875</p>	
<p>METOLAZONE Therap cat: Diuretic, antihypertensive</p>	<p>C₁₆H₁₆ClN₃O₃S</p>	<p>365.8412</p>	
<p>PODOPHYLLOTOXIN Therap cat: antineoplastic; arrests metaphase, inhibits microtubule assembly</p>	<p>C₂₂H₂₂O₈</p>	<p>414.4158</p>	
<p>NIPECOTIC ACID Therap cat: GABA uptake inhibitor [J Neurochem 25: 797 (1975)]</p>	<p>C₆H₁₁NO₂</p>	<p>129.1601</p>	

StavrovskayaSupplemental Table 1

7- HYDROXYETHYLTHEO PHYLLINE Therap cat: phosphodiesterase inhibitor	C ₉ H ₁₂ N ₄ O ₃	224.221	
ETHYL CLOFIBRATE Therap cat: antihyperlipemic	C ₁₂ H ₁₅ ClO ₃	242.7046	
UR-4056 (flutrimazol) Therap cat: antifungal	C ₂₂ H ₁₆ F ₂ N ₂	346.383	
BIOCHANIN A Therap cat: weak estrogen	C ₁₆ H ₁₂ O ₅	284.271	

StavrovskayaSupplemental Table 1

MOLENAME	fmla MolStructure	mol weight MolStructure

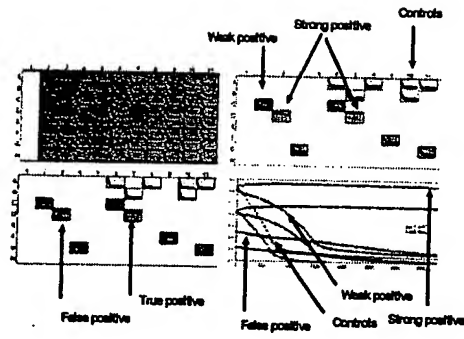


FIG. 2

A

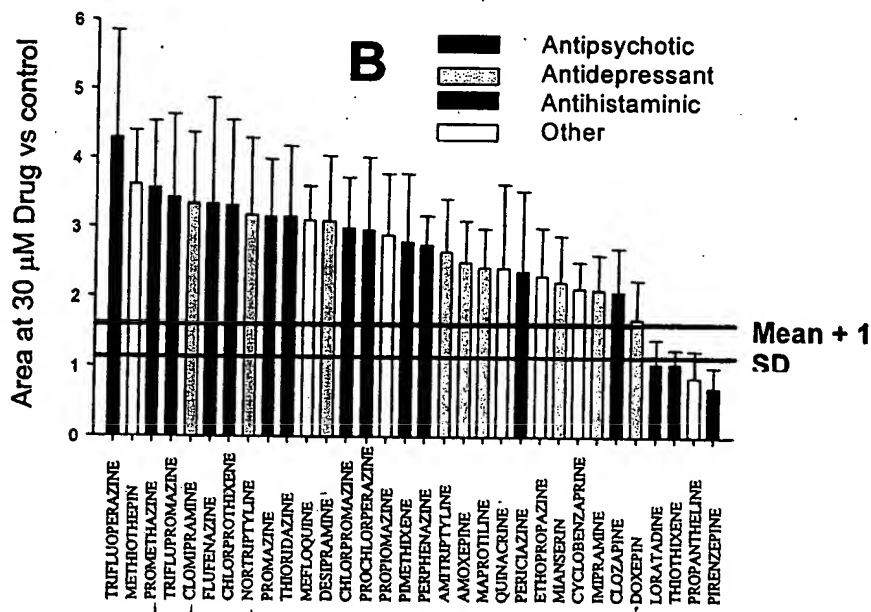
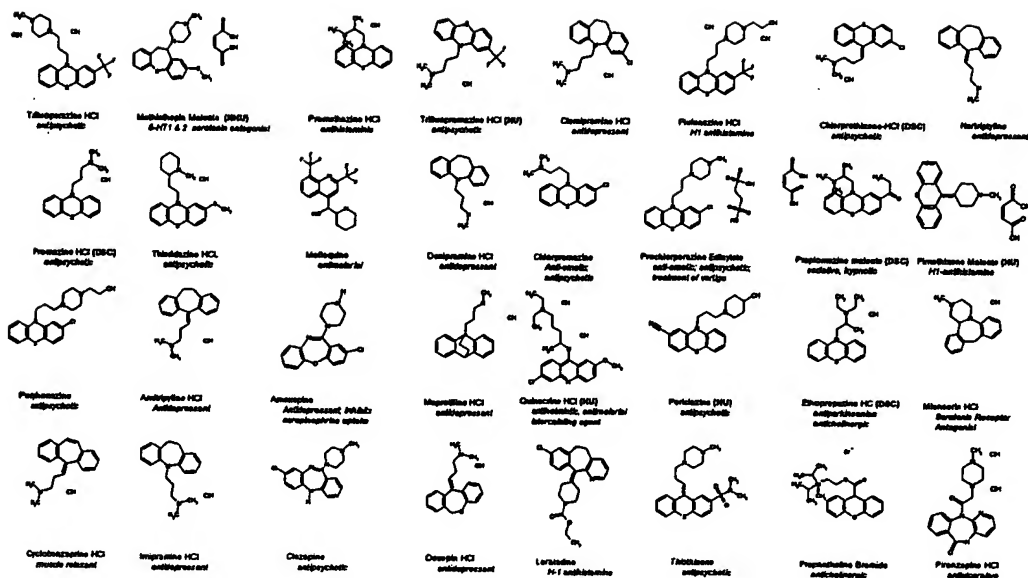


FIG. 3

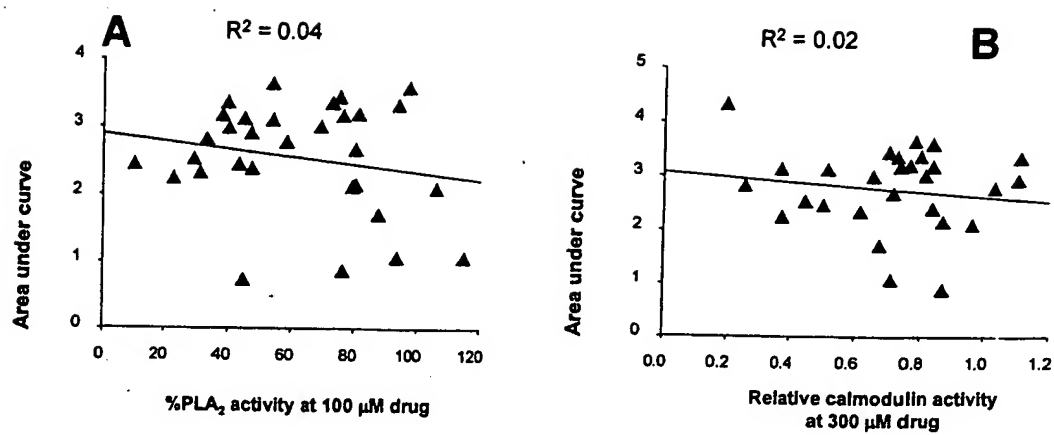


FIG. 4

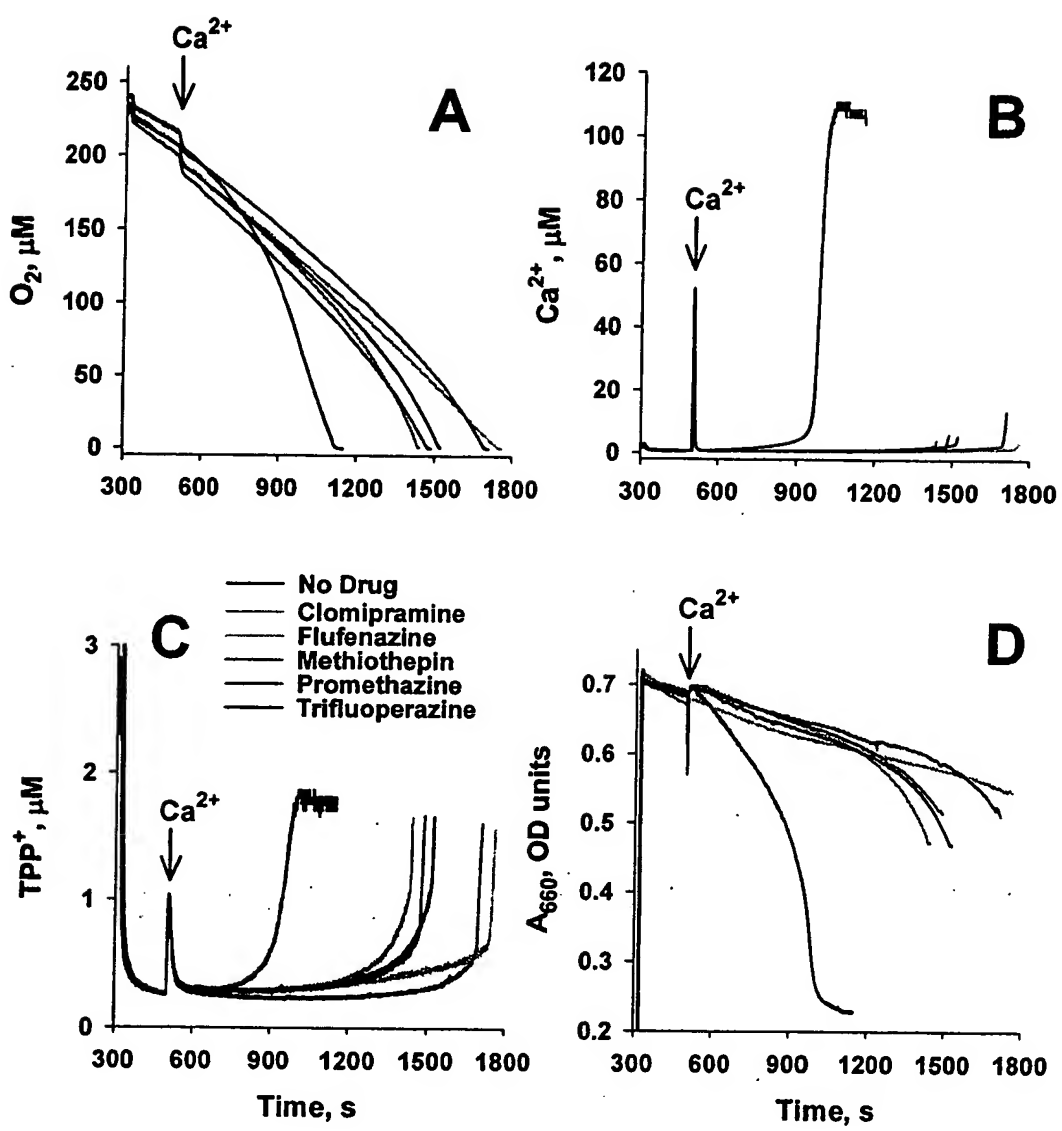


FIG. 5

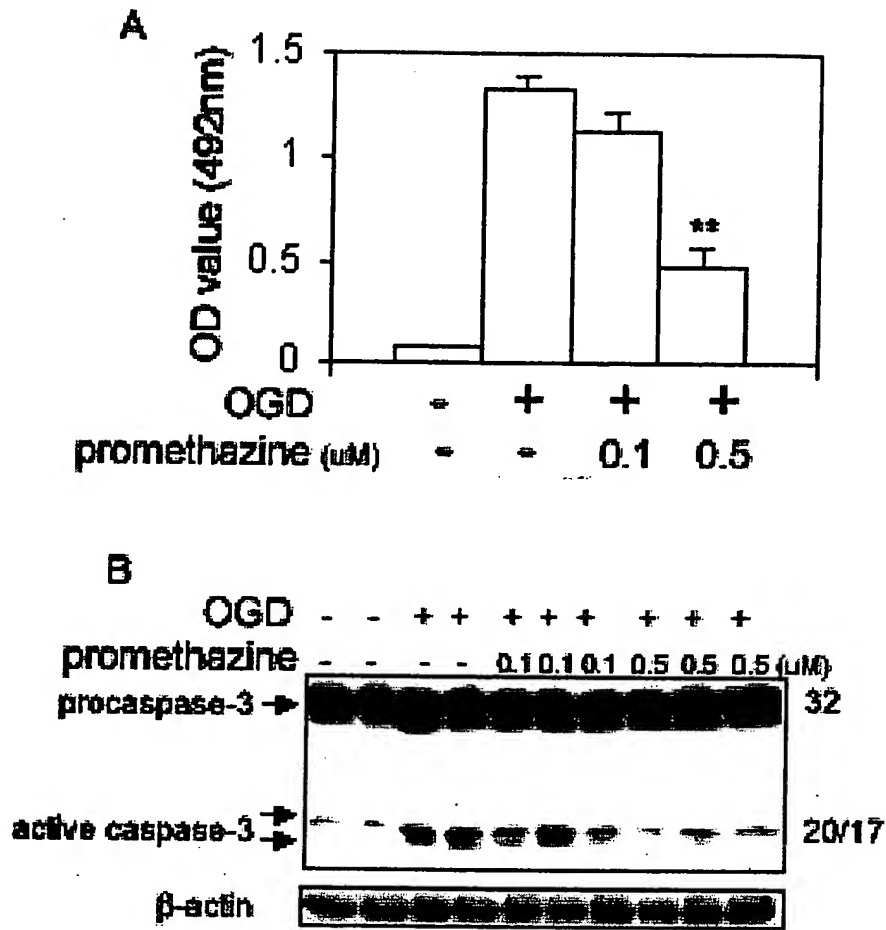


FIG. 6

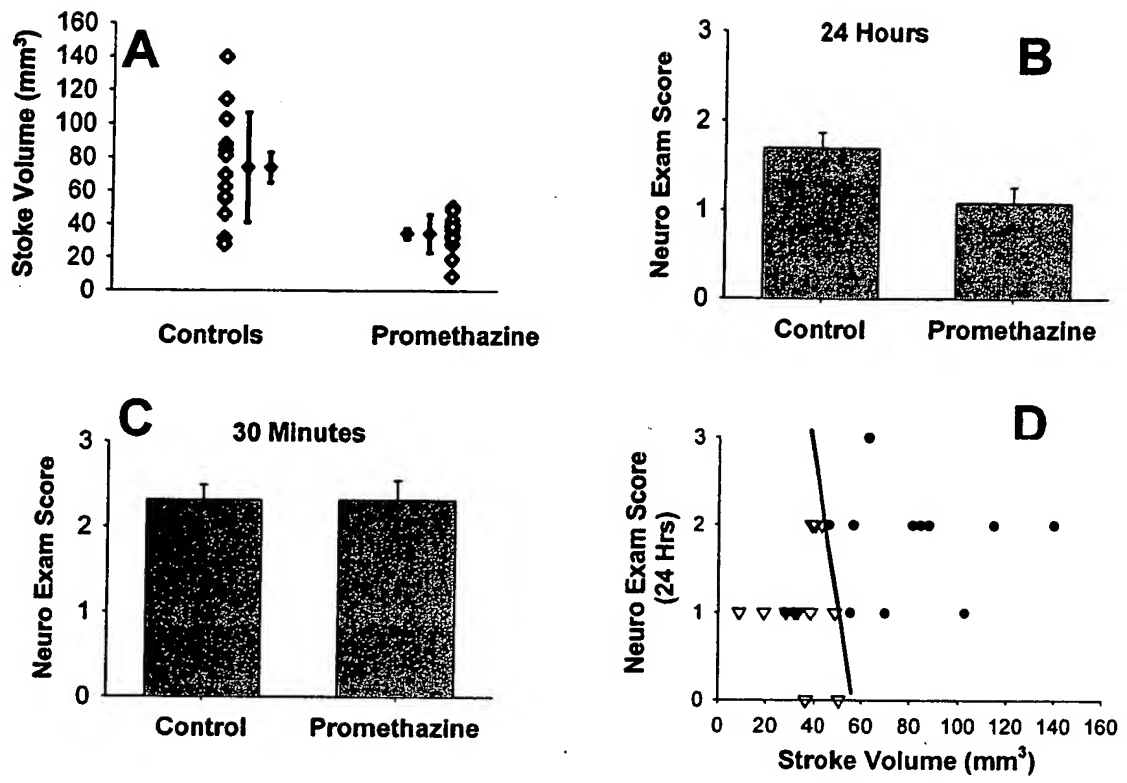
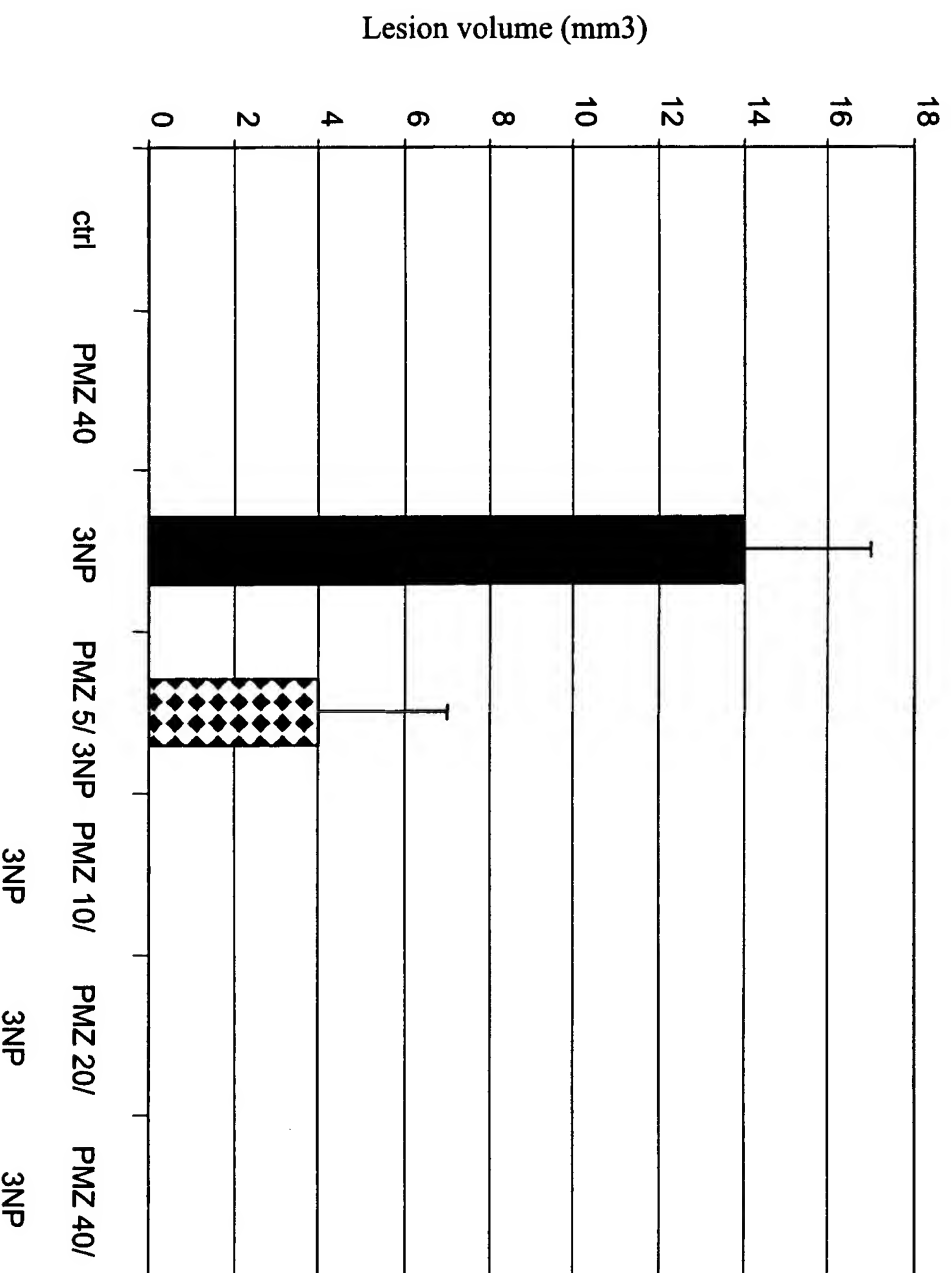


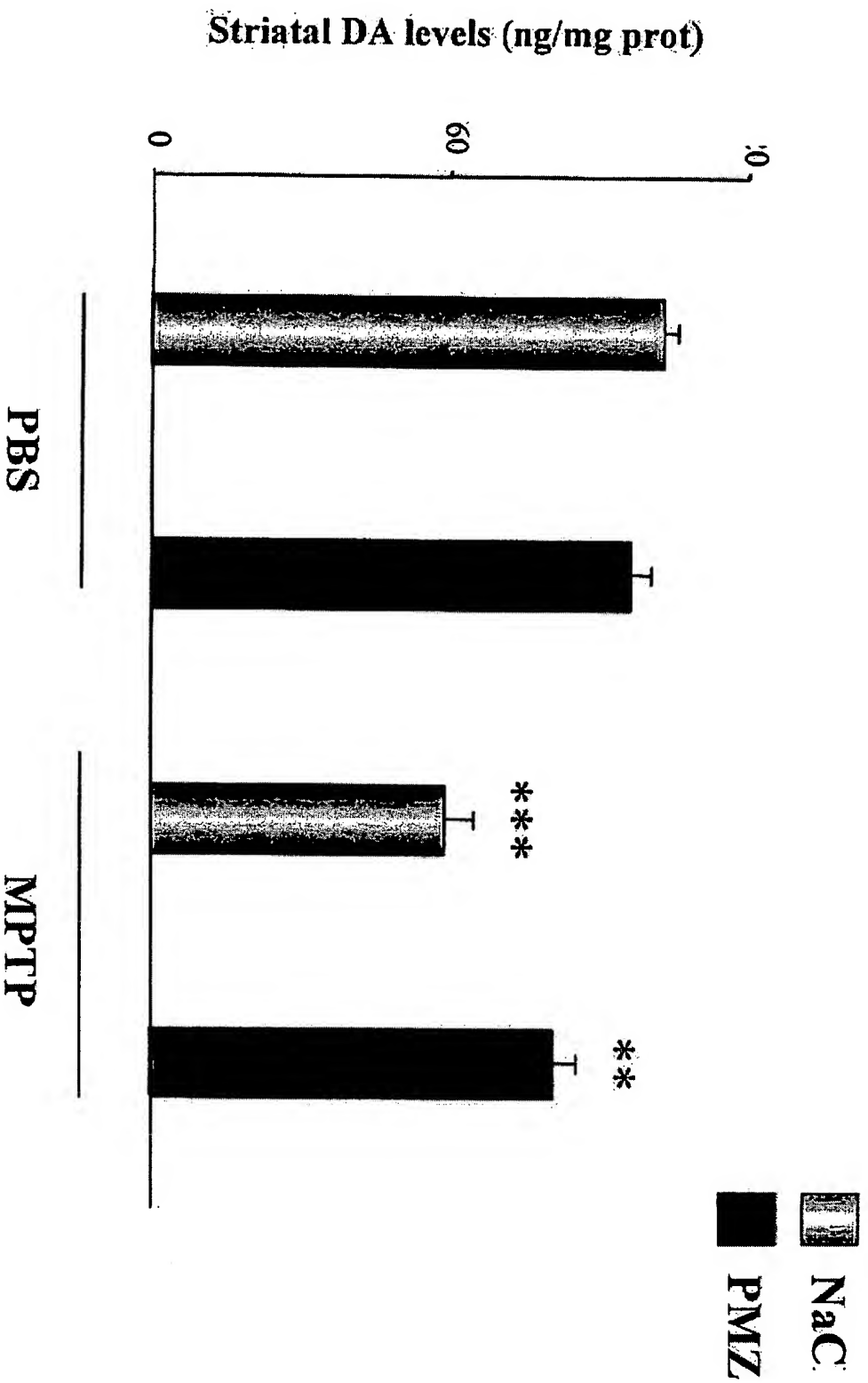
FIG. 7

Striatal lesion volume induced by 3-NP (54 mg/kg, sc, chronic infusion for 6 days) in Lewis rats (12 weeks old) treated or not by promethazine (5-40 mg/kg, i.p., q 12h for 6 days) and sacrificed on the 6th day.



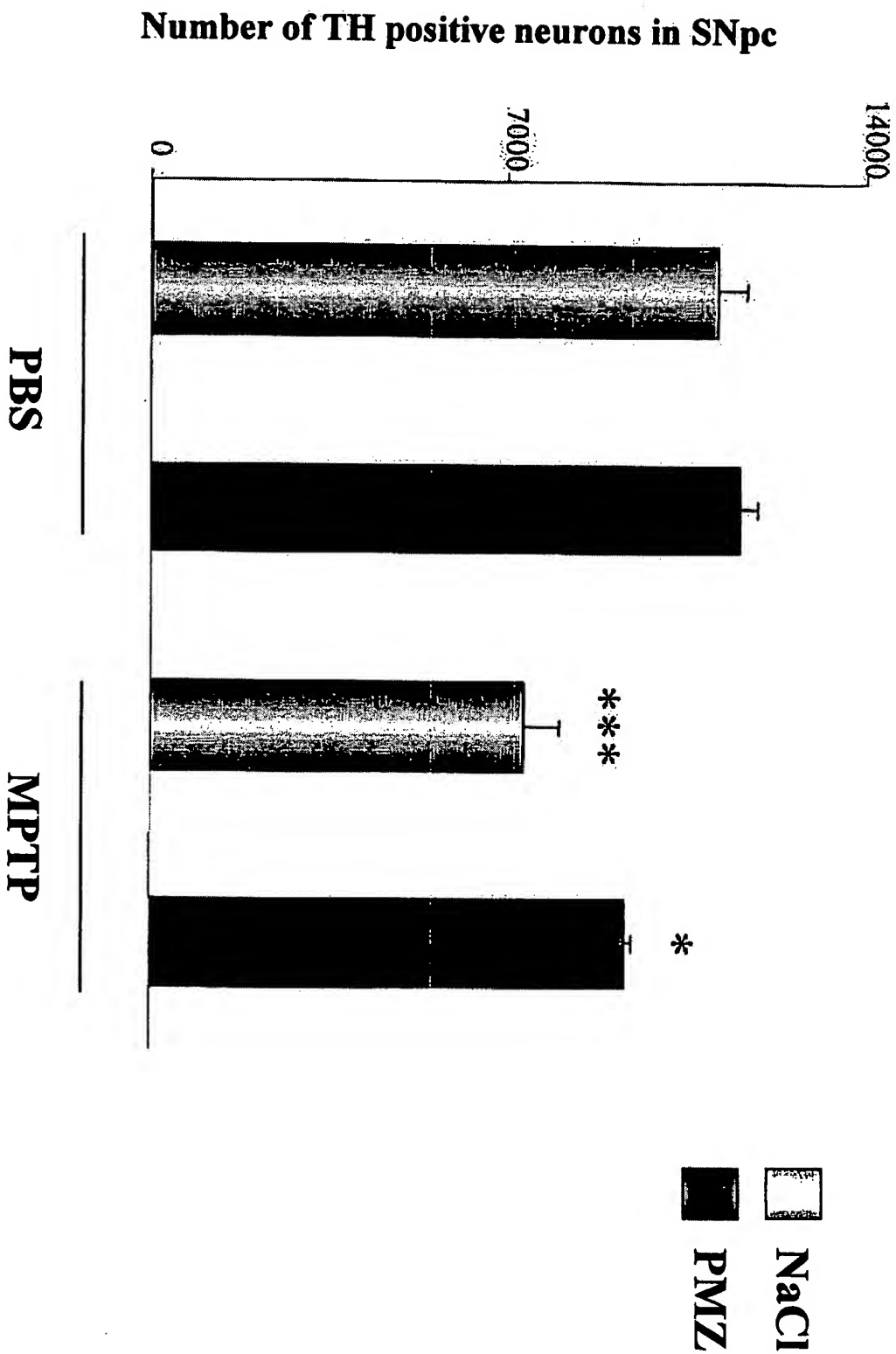
715, 8

Fig. 1: Promethazine prevent depletion of striatal dopamine evoked by MPTP



716.9

Fig. 2: Promethazine prevents dopaminergic neuron loss induced by MPTP



71618

Fig. 4: Promethazine prevents depletion of striatal dopamine levels induced by MPTP in a dose dependent manner

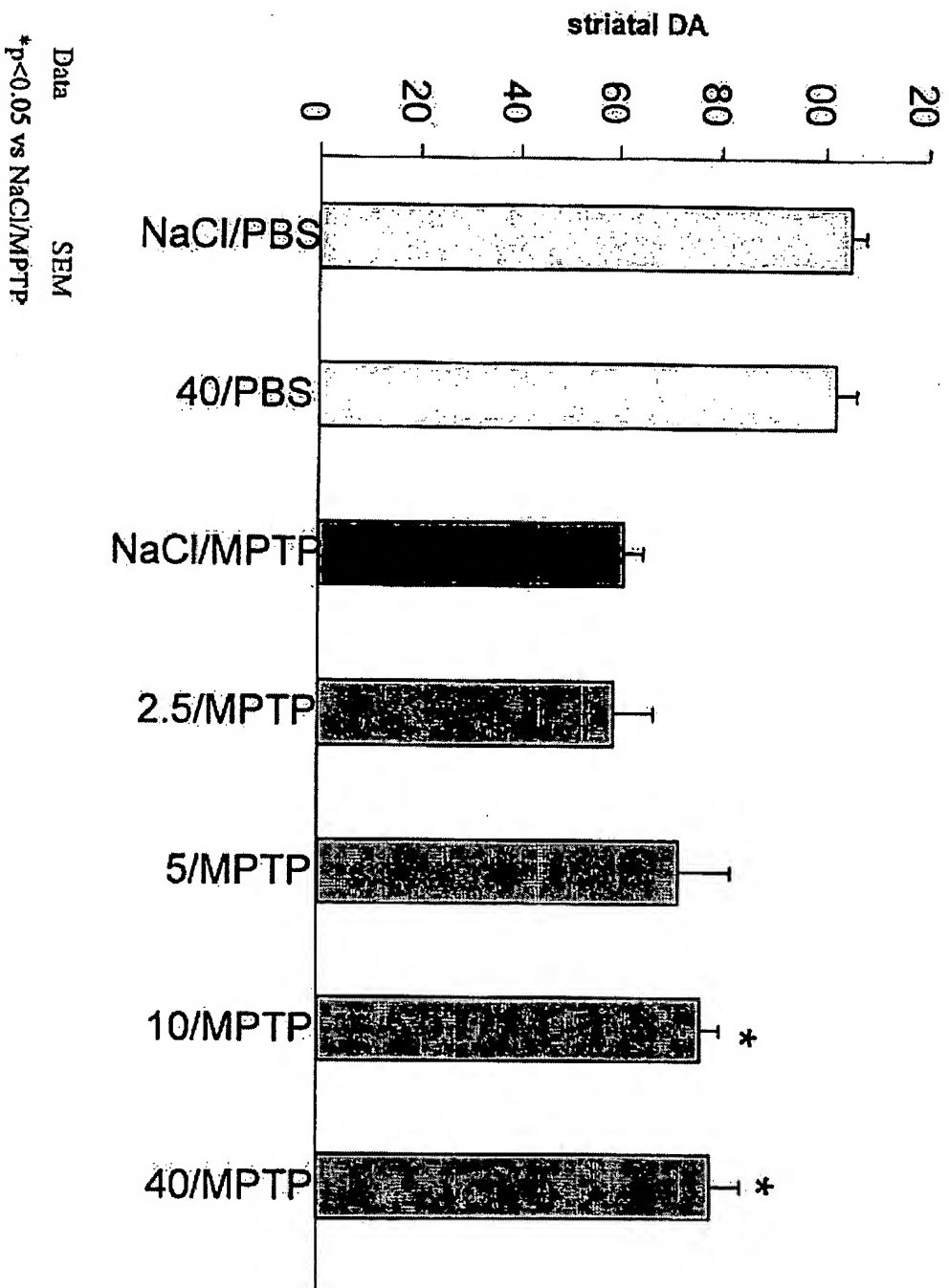
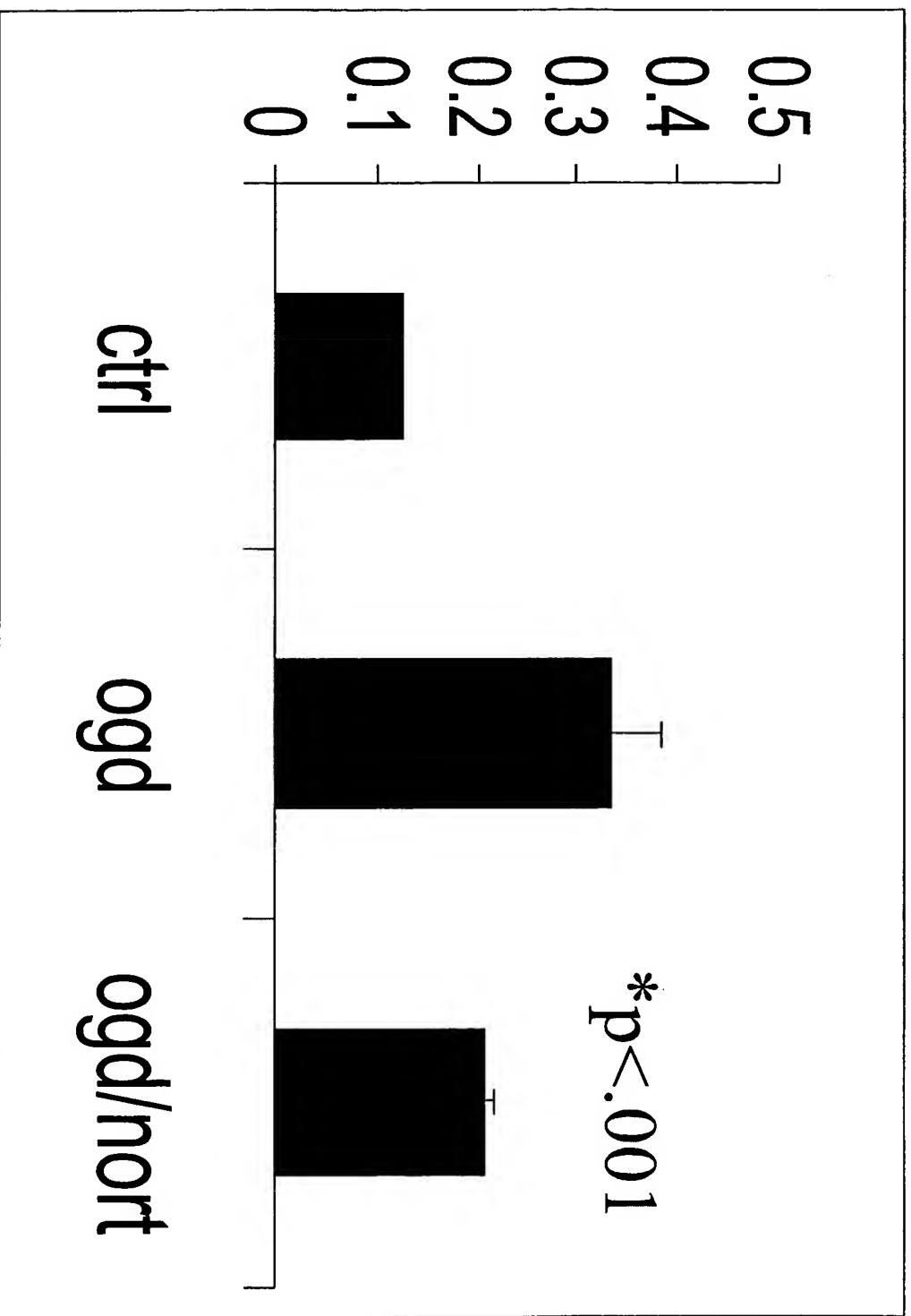
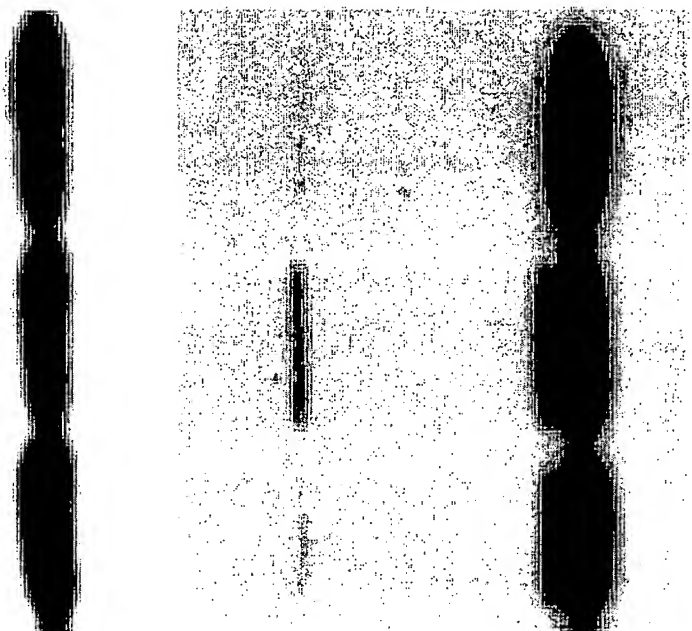


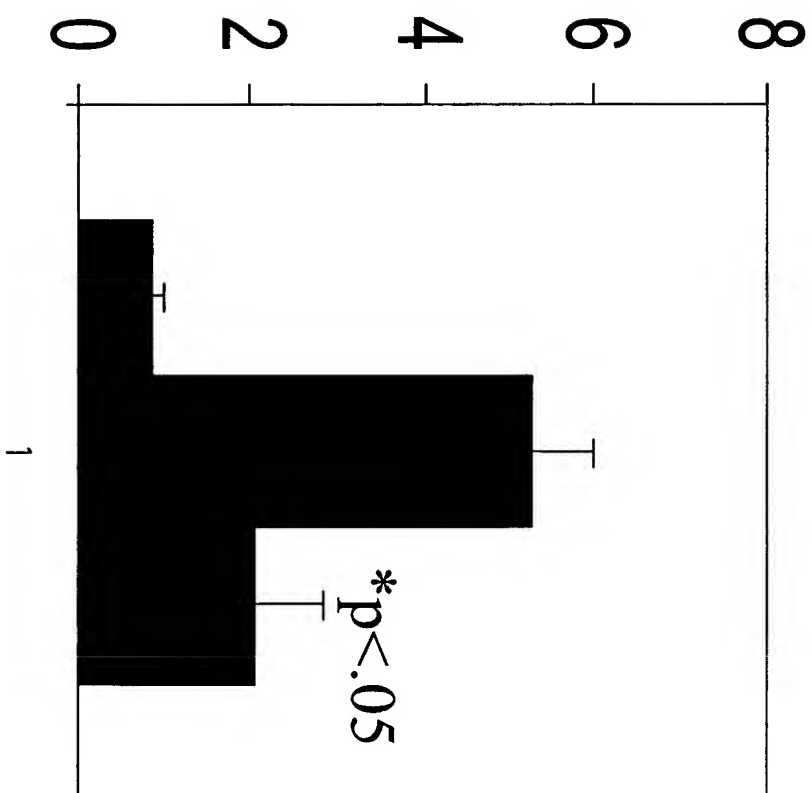
Fig. 11



(a)



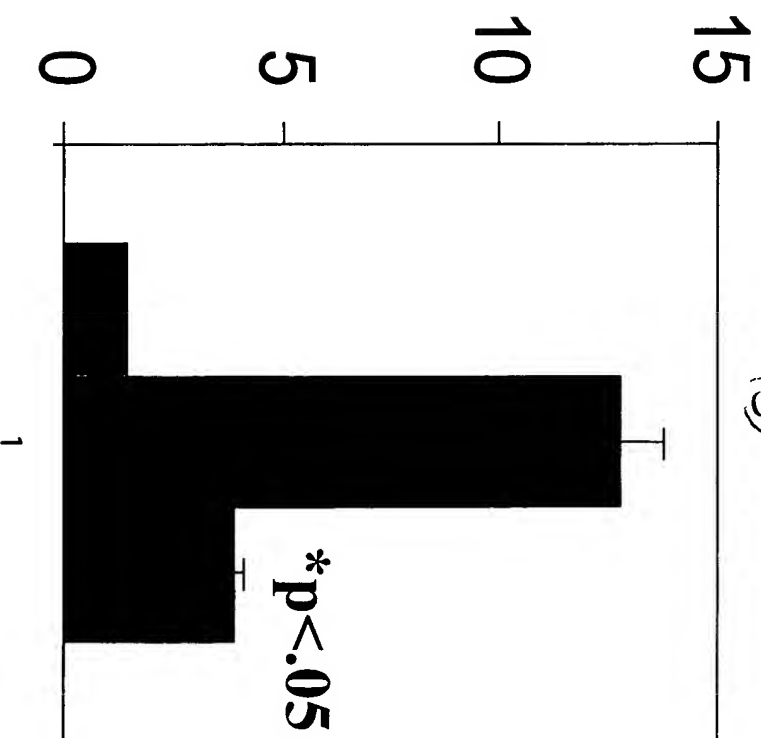
(5)



(a)



(b)



726, 14

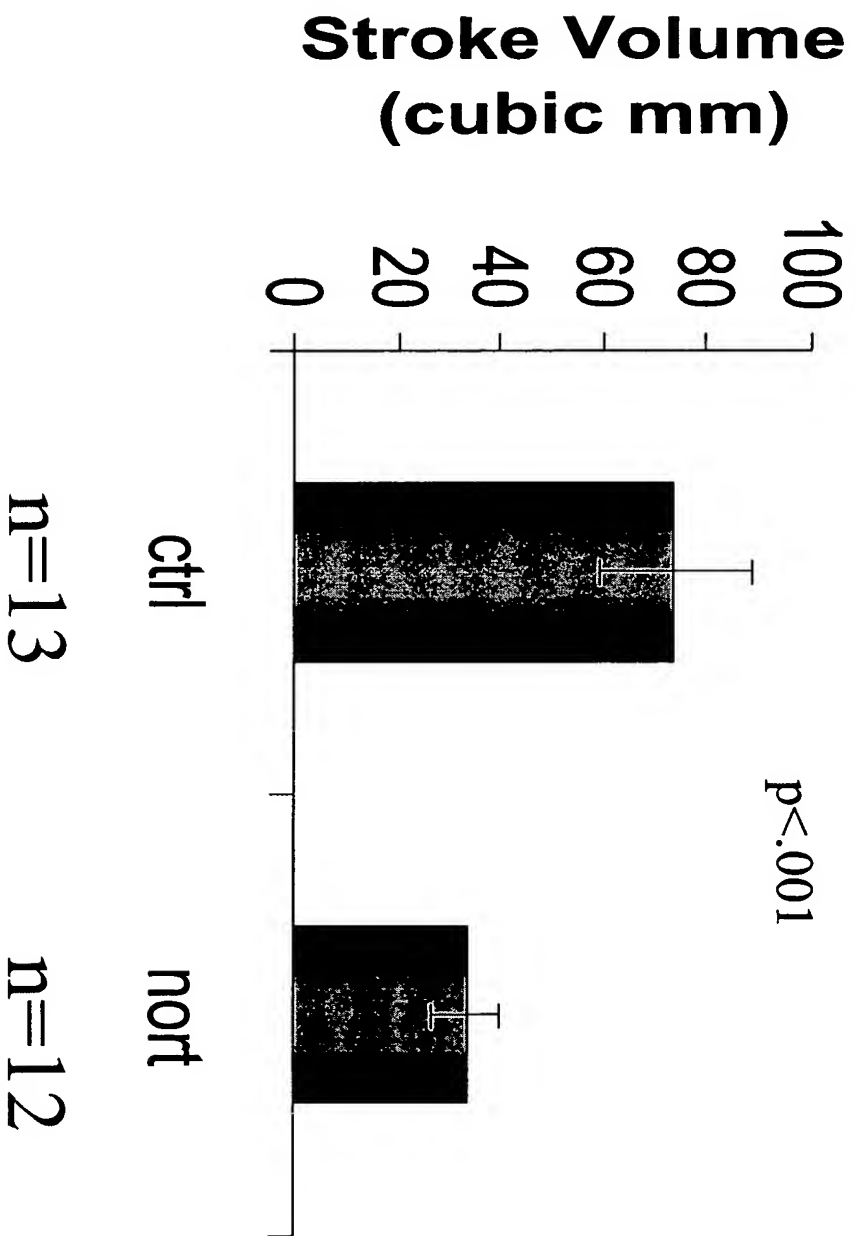
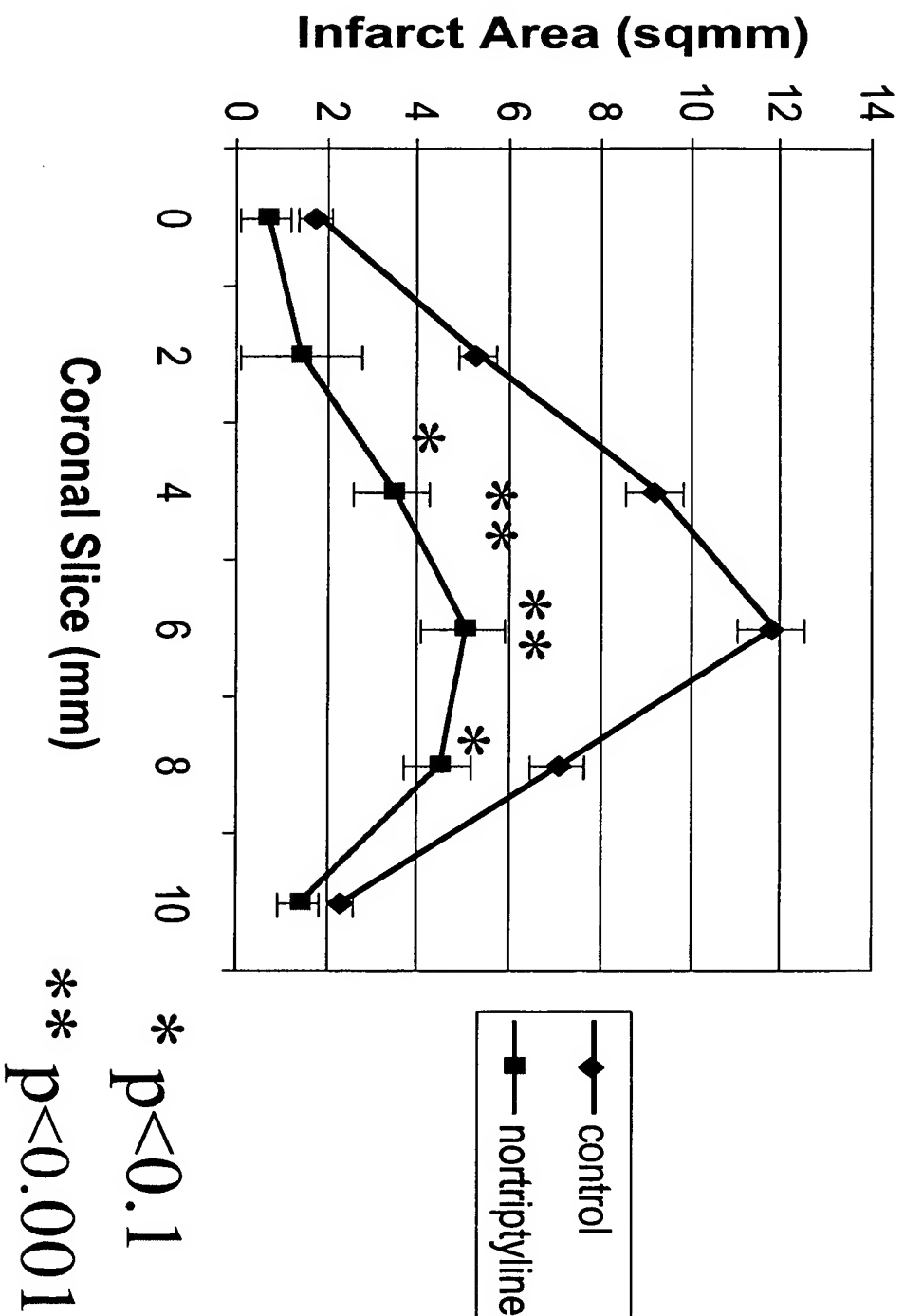


FIG. 15



7TG.16

Neuro Exam

2
1.5
1
0.5
0

$p < 0.05$

ctrl

nort

7/26/17

